

possible transfer 406)



"The Right Books to Write In"
Figuring Book No. 720

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From Your Stationer

MADE IN U. S. A.

Row

4792	Straw, pure breeding
4797	Light gold
4858	Gold
4861	White segregate from gold row
4862	White segregate from gold row
4877	White, pure breeding
4942	Straw, pr Apic
4945	Pure straw, straw Apic
4980	White with white Apic
4981	Straw, with PF Apic
4085	Straws from segregate row (early)
4088	Gold furrows (early)
4089	Mottled purple (early)
4090	Pure breeding purple (early)
4092	Purple and MP (late)
4157	Pure breeding straw, early
4173	Light mottled red (early) from seg. rows
4191	Gold furrows, breeding true
4204	Pure breeding, mottled red (many of these segregated classed as gold furrows
4225	Straw (true breeding) (early)
4287A	Light gold furrows
4009	Pr
4010	Purple
4016	MP

Row	
4392	Straw, pure breeding
4397	Light gold
4398	Gold
4361	White segregate from gold row
4382	White segregate from gold row
4377	White, pure breeding
4342	Straw, or Apic
4343	Pure straw, straw Apic
4380	White with white Apic
4381	Straw, with white Apic
4085	Straw from segregate row (early)
4086	Gold furrows (early)
4089	Mottled purple (early)
4090	Pure breeding purple (early)
4092	Purple and red (late)
4137	Pure breeding straw, early
4173	Light mottled red (early) from seg. row
4191	Gold furrows, breeding true
4204	Pure breeding, mottled red (many of these segregated classified as gold furrows)
4225	Straw (true breeding) (early)
4287A	Light gold furrows
4009	Pt
4010	Purple
4012	MP

Row

4792	Straw, pure breeding
4797	Light gold
4858	Gold
4861	White segregate from gold row
4862	White segregate from gold row
4877	White, pure breeding
4942	Straw, pr Apic
4945	Pure straw, straw Apic
4980	White with white Apic
4981	Straw, with ^{MP} Apic
4085	Straws from segregate row (early)
4088	Gold furrows (early)
4089	Mottled purple (early)
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4225	Straw (true breeding) (early)
4287A	Light gold furrows
4009	Pr
4010	Purple
4016	MP

Row	
4992	Straw, pure breeding
4997	Light gold
4998	Gold
4999	White segregate from gold row
4999	White segregate from gold row
4997	White, pure breeding
4992	Straw, or gold
4995	Pure straw, straw gold
4999	White with white gold
4999	Straw, with gold
4995	Straw from segregate row (early)
4998	Gold (straw) (early)
4999	Mottled purple (early)
4999	Pure breeding purple (early)
4992	Purple and MP (late)
4997	Pure breeding straw, early
4997	Light mottled-red (early) from seg. rows
4999	Gold (straw), breeding true
4999	Pure breeding, mottled red (many of these segregated as gold (straw))
4995	Straw (true breeding) (early)
4997	Light gold (straw)
4999	PT
4999	Purple
4998	MP

Row

4287B	Dark gold furrows
4310	Dark gold
4311	Light gold, early (breeding true)
4320	Gold with reddish purple color in young shoots and sterile glumes
4330A	White
4330B	Gold furrows
4338	Straw (true breeding) early
4426	Straw, pure breeding
4492A	Dark furrows
4492B	Light furrows
4519	Dark gold, pure breeding
4521	Light gold, pure breeding
4559	Black
4589	<u>Black over</u> pure breeding pr gold
4604	Patchy gold, breeding true
4606	Dark patchy gold
4632	Faint patchy gold
4651	Straw, pure breeding
4694A	Mottled purple
4694B	Mottled red
4694C	Pure Straw, green apic
4696	Brick Red, good plant type
4698	Purple
4712	Brick red
4777A	Straw with purple apex, or apic
4777B	Straw with red apex or apic

Row	
4287	Dark Gold Turnows
4210	Dark Gold
4211	Light Gold, early (breeding true)
4220	Gold with reddish purple color in young shoots and sterile flowers
4230A	White
4230B	Gold Turnows
4232	Straw (true breeding) early
4233	Straw, pure breeding
4234	Dark Turnows
4235	Light Turnows
4219	Dark Gold, pure breeding
4221	Light Gold, pure breeding
4222	Black
4223	Black over pure breeding or Gold
4204	Patchy Gold, breeding true
4205	Dark patchy Gold
4222	Light patchy Gold
4221	Straw, pure breeding
4224	Mottled Purple
4225	Mottled Red
4226	Pure Straw, Green Apple
4227	Black Red, Good plant type
4228	Purple
4212	Black Red
4229	Straw with purple apex, or Apple

<u>Row</u>	
4287B	Dark gold furrows
4310	Dark gold
4311	Light gold, early (breeding true)
4320	Gold with reddish purple color in young shoots and sterile glumes
4330A	White
4330B	Gold furrows
4338	Straw (true breeding) early
4426	Straw, pure breeding
4492A	Dark furrows
4492B	Light furrows
4519	Dark gold, pure breeding
4521	Light gold, pure breeding
4559	Black
4589	<u>Black over</u> pure breeding pr gold
4604	Patchy gold, breeding true
4606	Dark patchy gold
4632	Faint patchy gold
4651	Straw, pure breeding
4694A	Mottled purple
4694B	Mottled red
4694C	Pure Straw, green apic
4696	Brick Red, good plant type
4698	Purple
4712	Brick red
4777A	Straw with purple apex, or apic
4777B	Straw with red apex or apic

Row	
4287E	Dark gold turnows
4310	Dark gold
4311	Light gold, early (breeding true)
4320	Gold with reddish purple color in young apocote and sterile glumes
4330A	White
4330B	Gold turnows
4338	Straw (true breeding) early
4428	Straw, pure breeding
4432A	Dark turnows
4432B	Light turnows
4512	Dark gold, pure breeding
4521	Light gold, pure breeding
4532	Black
4532	Black over pure breeding pr gold
4534	Patchy gold, breeding true
4536	Dark patchy gold
4538	Faint patchy gold
4531	Straw, pure breeding
4534A	Mottled purple
4534B	Mottled red
4534C	Pure straw, green apic
4535	Black Red, good plant type
4536	Purple
4712	Black red
477A	Straw with purple apex, or apic
477B	Straw with red apex or apic

6121-3 X 5309

Ph. No.	Hdb	Apic.	Pub.
1-4	pl	pr	R
2	pr	pr	S
3	ru	ru	S
4	pr	pr	S
5	pr	pr	R
6	pl	pr	R
7	pr	pr	S
8	pr	pr	S
9	pr	pr	R
10	pr	pr	R
11	pr	pr	R
12	pr	pr	R
13	pr	pr	R
14	pr	pr	R
15	pr	pr	R
16	pr	pr	R
17	pr	pr	R
18	pr	pr	R
19	pr	pr	R
20	pr	pr	R
21	ru	ru	R
22	ru	ru	R

pl. no		
2-1	pr	pr S
-2	pr	pr R
3	pr	pr R
4	pr	pr R
5	ru	ru R
6	ru	ru R
7	ru	ru S
8	pr	pr R

1937 Pp No. List of F2 inheritance populations grown in 1937

$$6301, 2+3 = 3212 \times 5309$$

$$6304+5 = 5398 \times 5309$$

$$6308+9 = 5398 \times 4504$$

$$6310, 11+12 = 5398 \times 3212$$

$$6313+14 = 5398 \times 1645$$

$$6316, 17, R+19 = 1962 \times \text{Blackhead Red}$$

$$6320 = 1962 \times 5309$$

$$6321 = 3212 \times 1645$$

$$6322 = 3212 \times 4074$$

$$6323 = 3212 \times 1962$$

$$6324+25 = 6121-3 \times 5309$$

$$6326 = 3025 \times 4011$$

$$6327 = 5810 \times 4011$$

$$6328 = 4011 \times 5810$$

$$6330 = 5810 \times \text{Blackhead Red}$$

6121-3 X 5309

Purple

Red

Row

R

S

R

S

1	22	8	4	3
2	22	6	10	4
3	25	6	4	3
4	21	5	10	4
5	29	10	13	1
6	31	2	8	2
7	26	9	6	2
8	26	8	6	2
9	25	6	4	1
10	19	8	14	1
11	25	12	8	2
12	31	3	6	3
13	23	4	5	2
14	21	9	3	3
15	21	7	3	3
16	25	7	8	1

6325

PR

PS

RR

RS

17	22	8	17	4
18	24	13	7	3
19	23	12	12	4

494

143

148

48

143

148

48

16 833

52

9

148

Inheritance Studies 1937. Beaumont, Tex.

F₂

3212 X 5309 (white x Purple hull; Corn ^{100%} x glaucous hulls)
 Purple 29 No. Purple 77 Lt purple 27 Shw. purple 28 = 161

Hulls

Rates

3

1

1

12 + 37 = ?

Endosperm

Am
3

37
54

gls.
104

?

106 - 55

4/161 (100)

C.I. 3212 x C.I. 5309

[illegible]

6303

6303

C.I. 3212x C.I. 5309

			pr	mp	str	mb Endosperm com neg glut	Stem mb base
Hulls	7 mottled purple						
Endosperm	glutinous	4041	5	13	3	6 all glut	16-7
		4042	1	8	III	5 all glut	all white base
Hulls	mottled purple	15 4043	4	10	4	4-10-2	12-4
Endosperm	segregating	4044		8	3	2 4-4-2	7-3
		4045	1	10	III	5 3-7-6	12-4
		4046	2	14	6	9-8-4	14-7
		4047	4	17 mottled purple, true type	III-1	5-13-3	all straw base
		4048	3	11	6	5-10-3	all straw base
		4049	2	13	III-1	4 8-7-3	12-6
		4050	2	19	III-III-III	6 9-12-8	22-7
		4051		9	III-III-1	3-5-1	all straw base
		4052	4	8	III-III	2 1-6-7	10-4
		4053		12	5	4 5-15-2	14-3
		4054		16 (good type)	III-III-1	4-4-2	all straw base
		4055	1	8	III-III	2 3-5-3	8-3
		4056	5	15	2	8 7-13-6	18-8
		4057	3	18	5	5-14-7	all straw base
Hulls	light mottled purple	6 4058		9	11	4 all glut	21-3
Endosperm	glutinous	4059		12 all mp	III-III-1	all glut	11-1
		4060	1	16	5	1 all glut	all straw base

Summary 6303

In this cross (3212 x 5309) mottled purple & light mottled purple when matures were difficult to separate from straw since all plants had purple apiculi or apex. white are difficult to separate from straw when slightly immature.

It is also difficult to separate the white from white with light purple color because the pure white had a thin paper hull which becomes discolored badly.

Often the straw & white groups had a trace of purple along the vascular bundles of the glumes when slightly immature.

(Br. Juncos x Purple heads, glab + glab kernels)

5398 X 5309 Br.

xno Br.

st

gold Juncos

Hulls

91

291

238

104 = 724

382

Rojo

9

5

2

6305

C.I. 5398x & I. 5309

17 per
14 9 my
4 2 stream
17 Goldfurrows

125 rows

			Pr	redish pr	mp	any gold f.	str	gold f	
Full 16 - purple	Row 1	4081	9	1	5		3	8	
		4082	3		12			6	
		4083	1		24		3	6	
		4084	0		12		3	1	
		4085	1		5		14	2	
	Row 11	4086			20			4	
		4087	20				3	6	
		4088	26					6	
		4089			19				
		4090	32						
		4091	6		18		4	7	
		4092	23		10		0	0	
	Row 12	4093	19		1		0	3	
		4094	22 (all purple)						
		4095	3		12		2	10	some show faint mp.
		4096	7		18		7	1	10/21
		4097	20		3		1	0	10/21
Full 16 mottled purple - 49	Row 1	4098	0		12		8	0	
		4099	11		10		7	0	
		4100	0		21		3	0	10/21

cl. 10/21/38

10/21

10/21

10/21

10/21

6305

C.I. 5398 x C.I. 5309

			pr	mp	str	gold	
Hulls - mottled purple. Row 1	4101	4	14	6	0	{ 10/21	
	4102	1	16	2	0		
	4103	1	8	4	6		
	4104	0	2	10	4		
	4105	7	12	4	2		
	4106	16	10	1			
	4107	2	2	0	0	2 later, maybe straw	
Hulls - mottled purple. Row 11	4108	1	12	6	0		
	4109	15	2 straw				
	4110	2	11	6	0		
	4111	5	17	4	1		
	4112	0	7	6	3		
	4113	0	21	0	2	10/21	
	4114	2	15	7	0	10/21	
	4115	0	11	13	0		
	4116	2	14	5	0	{ 10/21 three late plants	
	4117	1	12	5	0		
	4118	7	12	6	0		
	4119	1	10	3	3		
	4120	0	16	7	1		

6305

		Pr	mp over A.F	Str	Gold fur
Halls - mottled purple Row 11	4121		17 III-III-III-III-III	3 III	12 III-III-III
	4122	1 1	14 III-III-III-III-III	11 III-III-III	0
	4123	6 III-III-III	10 III-III-III	13 III-III-III	
	4124	0	7 III-III-III	11 III-III-III	0
Halls - mottled purple Row 12	4125	0	14 III-III-III-III-III	3 III	2 III
	4126	4 III	22 III-III-III-III-III-III	4 III	1 III
	4127	3 III	8 III-III-III	4 III	0
	4128	2 III	13 III-III-III-III-III	7 III-III-III	2 III
	4129	7 III-III-III	6 III-III-III	9 III-III-III	13 III-III-III-III-III
	4130	0	12 III-III-III-III-III	9 III-III-III	1 III
	4131	5 III	13 III-III-III-III-III	4 III	5 III
	4132		14 III-III-III-III-III	12 III-III-III	5 III
	4133		12 III-III-III-III-III	9 III-III-III	
	4134		23 III-III-III-III-III-III-III	6 III-III-III	1 (may be 10)
	4135	0	17 III-III-III-III-III-III-III	6 III-III-III	0
	4136		25		
	4137		18		
	4138	0	16 25	2	2 2
	4139		III-III-III-III-III-III-III		11
	4140		30		

10/21

10/21

10/21

10/21

C.I. 5398 x C.I. 5309

Hulls	Row	pr	mp	str	gold f	
Row 12						
4141		1	13	2	0	10/21
4142		0	2	4	0	10/21
4143			10	4	1	
4144		7	2	10	6	
4145		0	13	10	0	10/21
4146		0	18	6	1	10/21
4147		0	0	22	4	10/21
4148		0	0	24	4	10/21
4149				4	3	
4150		0	0	19	8	10/21
4151				31 straw		
4152				21 straw		
4153				18 straw		
4154		0	0	18	7	10/21
4155		0	0	21	6	10/21
4156		2	14	13	3	10/21
4157				17 straw		
4158				11 straw		
4159				23 straw		10/21
4160				26 straw		10/21

			pr	mp	str	gold	mod. Red
Hulls	Straw	Row					
		4161			23 straws		10/21
		4162	0	0	25	5	10/21
		4163			NI-NI-NI-NI-NI 27 straws		10/21
		4164		1	27		Some straws
		4165		1	NI-NI-NI-NI-NI 16 straws	4	10/21 May 1st 6:40 P.M. 10/21
		4166		1	11 straw		
		4167		1	NI-NI-NI 5		
		4168			9		20 10/21 NI-NI-NI-NI
		4169			recheck when checked classified as follows 22 (mp: 5 straw; 1 gold furrow (Bog Brand)		
		4170			26 straws 12 - all straw		
		4171			19 straws	6 sold 7.	10/21
		4172			20 NI-NI-NI-NI	3	
		4173	0		7		15 mottled Red
		4174			17 + all appear light sold 10/21		
		4175	0		16 NI-NI-NI-NI	20 mottled red	
		4176			8 straws	15 mottled Red	
		4177			5	5	24 10/21 NI-NI-NI-NI
		4178			24 straw	6 B-F.	10/21
Hulls	Straw	Row					
		4179			23	5	10/21
		4180			NI-NI-NI-NI-NI 29 all straw		10/21

6305

C.I. 5398 x C.I. 5309

			purple	sup	str	goldfurr.	Mottl Red
Hulls							
		4181			27 N- 11 -N- 11 -N- 11 -N- 11	1	10/21
		4182			20 N- 11 -N- 11 -N- 11 -N- 11	8	10/21
		4183			19 N- 11 -N- 11 -N- 11 -N- 11	4	
		4184			25 N- 11 -N- 11 -N- 11 -N- 11 -N- 11	5	10/21
		4185			15 all straw N- 11 -N- 11 -N- 11		
		4186			19 N- 11 -N- 11 -N- 11 -N- 11	6	10/21
		4187			25 N- 11 -N- 11 -N- 11 -N- 11 -N- 11	4	10/21
		4188			25 all straw		10/21
Hulls		4189			11 N- 11 -N- 11 -N- 11 -N- 11	4	10/21
		4190			17 N- 11 -N- 11 -N- 11 -N- 11 -N- 11	5	Many of M.P. may be M.R. 11/21
		4191				17 all self furrows	
		4192		1 M.P.		306F.	10/21
		4193			3 straws N- 11 -N- 11 -N- 11 -N- 11	3	19 10/21 N- 11 -N- 11 -N- 11 -N- 11
		4194			3 N- 11 -N- 11 -N- 11 -N- 11	9	
		4195			4 straw	28 mottled red with possibly a few gold furrows.	
		4196				29 self	
Hulls		4197	3		5	24 mottled red with possibly a few gold furrows.	
		4198				24 self	
		4199				29	
Hulls		4200				30	

6305

Hulls

gold furrows

Row 12 4201

4202

4203

4204

4205

4206

C.I. 5398

Parent

mp

stems

gold fur

30 all gold furrows

13
III-III-III

3 stems

10 modelled R. d.

16 (modelled R. d.)

18
III-III-III-III-III6
III-III

-2-

~~Parent~~
 5398 x 4504 (Brown Furrows x gold hulls?, glus + Cane, kernels)

Hulls -	stems	R gold	gold
	485	167	182
Rotis	9	3	4

Presence -	Rough	smooth
	448	386
Rotis	9	7

= 724

? 834

Endosperm -	Com.	Seg	glut
	220	401	213
Rotis	1	2	1

6309 C.I. 5398 V.C.I. 4504

89 show 35
31 gold 29 am 11 - 16 - 7
16 am 1 - 9 - 6
15 am 2 - 9 - 4
17 gold 9 am 3 - 2 - 4
8 am 3 - 4 - 1

Hulls		PUB- ESSENCE ENDO- SPERM			nutpr	str	gold f	gold	Row	Sm
str row com			Row 1	4207	9 plants show in (straw)	9 III-III	7 III-II	10 III-III	14	12
				4208		9 III-III	9 III-III	8 III-III	16	10
				4209		8 III-III		1 I	10	2 rough
				4210		12 III-III-III		1 I	13	2 rough
				4211		11 III-III-1		3 light gold (not in)	10	4
				4212		13 III-III-III			7	6
str row com			Row 2	4213		8 III-III	2 II	1 I	10	1
				4214		9 III-III-III	4 III-III-III		13	4 10/21
				4215		6 III-III	1 III-III	1 I	6	5 10/21
				4216		12 (4 in)				rough
str row com			Row 11	4217		6 (6 in)		2 I	5	3
Hulls		PUB- ESSENCE ENDO- SPERM	Row 1	4218		6 III-III		3 III	7	2
str row up				4219		10 III-III	4 III	6 III-III	18	2
				4220		11 III-III-III	4 III	16 III-III-III	31	10/25
				4221		14 III-III-III	3 III		8	9 11/20/3
				4222		17 III-III-III-III	6 III-III	7 III-III	15	15
				4223		17 III-III-III-III	6 III-III		16	7 10/25
				4224		20 III-III-III-III	4 III	9 III	18	9 10/25
				4225	28 show				20	8
str row up			Row 2	4226		16 III-III-III-III		7 III-III	18	5

6309

Bulls PUB- ENDO-
ESSENCE SPERM

Str row reg

Row 2 4227

21
~~NI-NI-NI-NI-1~~

- 6

19 8

4228

20
~~NI-NI-NI-NI~~

1

4

15 10 10/25

4229

17
~~NI-NI-NI-NI-1~~

8

1

20 6 10/25

4230

16
~~NI-NI-NI-NI-1~~

8

1

16 9 10/25

Str row reg

Row 1 4231

26
~~NI-NI-NI-NI-NI-1~~

3

23 6 10/25

Bulls PUB- ENDO-
ESSENCE SPERM

Row 1 4232

21
~~NI-NI-NI-NI-NI-1~~

5

20 6 10/25

Str row gl

4233

16
~~NI-NI-NI-NI-1~~

4

6

20 6 10/25

4234

16
~~NI-NI-NI-NI-1~~

6

9

16 15 15

4235

16
~~NI-NI-NI-NI-1~~

10

2

14 14 10/25

Row 2 4236

8
~~NI-NI-NI-NI-1~~

9

7

20 4 10/25

4237

16
~~NI-NI-NI-NI-1~~

8

11

24 10/25

4238

16
~~NI-NI-NI-NI-1~~

7

7

15 8 10/25

Row 1

4239

14
~~NI-NI-NI-NI-1~~

6

4

18 6 10/25

4240

21
~~NI-NI-NI-NI-NI-1~~

6

1

16 12 10/25

4241

26
~~NI-NI-NI-NI-NI-NI-1~~

5

1

18 13 10/25

Bulls PUB- ENDO-
ESSENCE SPERM

Row 1 4242

34 phreus

34 10/25

4243

22
~~NI-NI-NI-NI-1~~

7

29 10/25

4244

22
~~NI-NI-NI-NI-NI-1~~

5

11

27 10/25

4245

11
~~NI-NI-NI-NI-1~~

8

11

19 10/25

Row 2

4246

24
~~NI-NI-NI-NI-NI-1~~

3

11

27 10/25

6300 C.I. S398 x C.I. 4504

Hulls	PUB- ESCENCE	ENDO- SPERM		Str	gold furn	gold	RAM	Sm.	
Str. Low Com			Row 2	4247	24 II-III-III-III-III	9 II-III		10/25	
			Row 11	4248	29 II-III-III-III-III-III-III		34	11/25	
				4249	22 II-III-III-III-III	4 III			
				4250	25 II-III-III-III-III				
				4251	20 II-III-III-III-III	11 II-III		31	10/25
				4252	24 II-III-III-III-III	5 II	3 III	6	26
Hulls	PUB- ESCENCE	ENDO- SPERM	Row 1	4253	26 (Bread) II-III-III-III-III	8 III-III			
Str. Low seg.				4254	23 II-III-III-III-III	10 II-III		33	10/25
				4255	22 II-III-III-III-III	6 II		28	
				4256	27 all steel II-III			27	11/25
				4257	13 II-III-III	11 II-III-III	4 III	29	10/25
				4258	10 II-III	2 II	5 II-III	17	10/25
				4259	26 II-III-III-III-III	1 III	3 III	30	10/25
				4260	21 II-III-III-III-III	4 III		25	10/25
			Row 2	4261	2 II	15 II-III-III-III	5 II-III	22	11/25
				4262	16 II-III-III-III	7 II-III	1 II	26	11/25
				4263	4 II-III	18 II-III-III-III		22	11/25
				4264	10 II-III	3 III	2 II	15	10/25
			Row 11	4265	29 II-III-III-III-III			29	11/25
				4266	15 II-III-III	3 III		18	11/25

6309

Hulls	PUB- ESCENCE	ENDO- SPERM			Str	Goldfur	Gold	RAIN	Sm
Str sm seg			Row 1	4267	7 NI-II	3 III	8 NI-III	18	11/23/31
				4268	2.6 NI-II	2 III		28	11/23/31
Str sm glet			Row 1	4269	15 NI-III-III	5 III	6 NI-I	2	24
			Row 2	4270	27 NI-III-III-III-III	6 NI-III	6 NI-III	33	
			Row 1	4271	11 NI-III	2 III	3 III	16	11/23/31
				4272	28 NI-III-III-III-III			28	11/23/31
				4273	27 NI-III-III-III-III			27	11/23/31
				4274	20 NI-III-III-III-III	3 III	7 NI-III	30	11/23/31
				4275	12 NI-III	8 NI-III	3 III	23	11/23/31
Gold fur Row 1			Row 1	4276	2 II	19 NI-III-III-III	2 II	18	5
Gold fur Row 2			Row 1	4277	16 NI-III-III-III	5 III	6 NI-I	19	8
				4278		12 NI-III-III	4 III	1.3	3
			Row 2	4279	13 NI-III-III	7 NI-III	8 NI-III	1.9	9
				4280		10 NI-III	4 III	1.0	4
				4281		16 NI-III		9	7
				4282		24 NI-III-III-III-III	4 III	28	11/23/31
			Row 1	4283		17 NI-III-III-III	7 NI-III	16	8
				4284	1	27 NI-III-III-III		14	14
				4285		26		17	9
Gold fur Row 1			Row 1	4286		22	6 NI-I	20	8

6309

C.I. 5398 x C.I. 4504

111-111-1

Hulls			PUB- ESCENCE		ENDO- SPERM	Straw		gold furrows	11. gold	dark	Row Sum		
Gold furrows in glut						R-1	4287	16 all gold furrows 2 types of gold fur.	8 smooth		8	8	
							4288	23			14	9	10/25
							4289	11-11-11-11-11 25	9		17	17	10/25
						R-2	4290	11-11-11-11-11 18	5		18	5	10/25 11/27/38
						R-11	4291	22	11-11 11		14	11	11/27/38
Hulls			PUB- ESCENCE		ENDO- SPERM	R-2	4292	20 11-11-11-11-11	5 11-11	11/27/38 dark and furrows			
Gold furrows in glut						R-11	4293	14	2		16		11/27/38
Hulls			PUB- ESCENCE		ENDO- SPERM		4294	16	6	1			
Gold furrows in glut						R-1	4295	12 11-11-11	7 11-11	6 11-11			
							4296	21	6		27		11/22/38
						R-2	4297	21	11		21		11/27/38
							4298	2 16 11-11-11-11-11		3 11			
							4299	20	7 11-11		77		11/27/38
							4300	17 11-11-11-11-11	4 1	4 11			
							4301	24			24		11/27/38
						R-11	4302	10 11-11-11	18 11-11-11-11-11				
Hulls			PUB- ESCENCE		ENDO- SPERM	R-1	4303	2	22	8			
Gold furrows in glut							4304	11 11-11-11-11-11	23	11-11	32		11/22/38
						R-2	4305		31		1	22	11/27/38
							4306	16 11-11-11-11-11	4 11	7 11-11			10/25

6309

17-11-1911

Hulls	PUB- ESCENCE	ENDO- SPERM			Shaw	Goldfurnace	Gold Link	Boat Sm.	
Gold Row Corn			R-2	4307		1	32	27 6	10/25
				4308			26	12 14	10/25
			R-11	4309			8	5 3	10/25
Gold Row seg			R-2	4310		6 appear like Y.F. maybe sold	26	24 8	
			R-11	4311			22 light gold	14 8	
Gold Row glut			R-1	4312		1	25	16 10	11/22/38
				4313			27	15 12	9/25
				4314		not used	29	8 21	10/25
			R-2	4315		17	9	17 9	10/25
Gold Row Corn			R-1	4316			33	33	10/25
			R-2	4317			33	33	
			R-11	4318			22	22	
Gold Row seg			R-1	4319			33	33	
				4320				27 gold (27) (most of them are light purple color in hulls)	
			R-2	4321			16	16	
			R-11	4322		22 11-11-11-11-11-11-11-11	9		10/25
Gold Row glut			R-2	4323			23		10/25
C.I. 4504 Parent				4324					

Summary, 6309

In the cross 5398 x 4504 the hull color groups were straw, gold furrows, gold and light gold. a number of the segregates especially the straws showed reddish purple color largely in the sterile florets. It was difficult to determine gold furrows with certainty from light gold. There was some difficulty in determining which was gold & light gold.

Probably some of the ^{hulls segregates} golden in this cross may have gold furrows in gold which would intensify the color.

5398 X 3212 (Pr furrows x white hulls, glst x com. kernels)

Hulls - Show white gold

192 86 24 = 302

Roth 9 6 1 no furrows?

Endosperm - com seg glst

74 152 76 = 302

Roth 1 2 1

311 C.I. 5398 x C.I. 3212

62 str (13-35-14)
347 mh 8-14-12
goldfinch 0-3-1

Hulls	ENDO-SPERM		mh	str	goldfin	gold	RAMS Sm.
str	com	R-2				10/25	
		4325		13	5		
		4326	22 plants	11-11-11 19	3		
		4327	7	15	4		
		4328	11-11 3	11-11-11 20	3		
		4329	9	11-11-11 12	1		
		4330	11-11-11 5	11-11-11 17	5		11/22/34
		4331		18		7	
		4332	4	11-11 17	1		
		4333	3	12	1		
		4334		11-11-11 18			
		4335	4	18	4		
		4336	5	22			
		4337		11-11-11 25			11/22/34
Hulls	ENDO-SPERM	R-2					
str	seg	4338					29 straws, all have a little reddish purple in hulls.
		4339	9	16	1		
		4340	11-11-11 6	11-11-11 17	3		11/22/34
		4341	11-11 6	11-11-11 15	5		
		4342	4	16			11/22/34
		4343	11-11 2	11-11-11 6	0		
		4344	5	16			11/22/34

6311

C.T. 5398 x C.T. 3212

Hulls	ENDO-SPERM		wh	str	furrows	
He	dy	R-2				11/22/31
		4345	2	23	3	
			//	III-III-III-III	III	
		4346		1		10/25
				9	2	11/22/31
		4347		III-III-III-III	II	
		4348	5	22		
			III	III-III-III-III		
		4349		25	5	11/22/31
				III-III-III-III-III-III	III	
		4350		21 all straw		10/25
				III		
		4351	6	23		11/22
			III-1	III-III-III-III-III		
		4352		23	5	
				III-III-III-III-III	III	
		4353		22	2	11/22
				III-III-III-III-III	II	
		4354		21	6	
				III-III-III-III-III	III-1	
		4355	3	20		11/22
			III	III-III-III-III-III		
		4356	4	18	1 very different & classify	
			III	III-III-III-III-III	1	
		4357	4	16	2	
			III	III-III-III-III	II	
		R-4 4358	8	20		
			III-III	III-III-III-III-III		
		4359	5	23		
		4360		28 all straw		
		4361	5	12		
			III	III-III-III-III		
		4362	4	19		
			III	III-III-III-III-III		
		4363	2	22	2	11/22
			2	19	3	11/22
		4364	II	III-III-III-III	II	

6311

Hulls	ENDO-SPERM		mh	str	four		
str	leg	R-4	4365	3 III	10 III-III	8 III-III	10/25
			4366	7 III-III	22 III-III-III-III		10/25
			4367		21 all straw 11		10/25
			4368	5 III	12 III-III-III		10/25
			4369		15 III-III-III		11/22/32
			4370		21 III-III-III-III	7 III-III	11/22/32
			4371		22		11/22/38
			4372 ✓	7 III-III	24 III-III-III-III-III	1? 1	
Hulls	ENDO-SPERM	R-2	4373		12 III-III-III	9 III-III-III	11/22/38
str	glut		4374	6 III-III	21 III-III-III-III	5 III	
			4375		5 III		10/25
			4376		25 all straw		10/25
			4377	✓ 10	10		
			4378	11 III	13 III-III-III		10/25
			4379	2 1	27 III-III-III-III-III-III	1	
			4380	2 11	13 III-III-III	5 III	10/25
		R-4	4381	3 III	19 III-III-III-III	4 III	11/22 10/25
			4382	5	11 III-III-III	6 III	
			4383		22 III-III-III-III	3 III	11/22/32
			4384	1 1	17 III-III-III-III	3 III	11/22/32

6311

P.I. 5398 x C.I. 3212

Balls	ENDO-SPERM		ruh	str	furv.	
str	glut	R-4	4385	28	5	11/22
			4386	11/11-11/11-11/11-11/11 25	8	1/22
				11/11-11/11-11/11-11/11		
Balls	ENDO-SPERM	R-2	4387	23		11/22
ruh	com		4388	26		11/22
			4389	25	1	
				11/11-11/11-11/11-11/11		
			4390	4	10	10/25
			4391	11/11	11/11-11/11 22 all white	
		R-4	4392	20		11/22
			4393	26 - all white		
			4394	23 - white	1 strain	
Balls	ENDO-SPERM	R-2	4395	17		11/22
ruh	sig		4396	12		11/22
			4397	22 - all white		
			4398	13 all white		
			4399	5	9	2
				11/11	11/11-11/11	11
			4400	2		11/22
		R-4	4401	17 - all white		
				4	14	
			4402	11/11	11/11-11/11-11/11	10/25
			4403	20 all white		
			4404	20 - white	11/11 - 11/11 - 11/11	

Hulls	ENDO-SPERM		mb	Straw	gold furrows	
mb	seg	R-4	4405	18 NI- NI - NI - NI		10/25
			4406	16		10/25
			4407	16	1	11/22
			4408	24 whites	2 oppa straw	
Hulls	ENDO-SPERM		4409	22	1	11/22
mb	glut	P-2	4410	18-are white		
			4411	26		11/22
			4412	19-white		
			4413	26-white		
		P-4	4414	16 whites		
			4415	7 NI - NI	14 NI - NI - NI	2 11
			4416	28		11/22
			4417	19		11/22
			4418	14		10/25
			4419	19		10/25
			4420	29		11/22/38
Hulls	ENDO-SPERM		4421	4 NI - NI	6 NI - NI	1 1
gold furrows	seg	P-4	4422	5 NI -	1 1	17 NI - NI - NI - NI
			4423			21 NI - NI - NI - NI
Hulls	ENDO-SPERM	P-4	4424			29

On the cross 5398 x 3212 the hull colors were straw, fawn and white. The chief difficulty was that unless fully ripe, white and straw groups were difficult to separate. White hulls discolored badly and the straw hulls also became discolored in the fawn which makes them difficult to separate from the fawn group.

6313
2+8

C.I. 5398 x C.I. 1645

67 straw cm - 28 - 8
25 goldfurn 9 - 9 - 7
27 Gold 4 - 17 - 6

Hulls ENDO-SPERM

str com

R-2 4425

14
III-III-III

6

4426

32 all straw

4427

81

4

all appear to be straw in overripe stage.

4428

19

12

4429

15

4

6

4430

23

5

4431

29 - all straw

4432

21

4

4

III-III-III-III

III

III

4433

18

2

7

III-III-III-III

II

III-II

4434

19

4

4

III-III-III-III

III

III

4435

16

14

0

III-III-III-III

III-III-III-III

4436

20

7

7

III-III-III-III

III-II

III-II

R-8 4437

19

0

5

III-III-III-III

III

4438

17

6

3

III-III-III-III

III-I

III

4439

12

4

3

III-III-III

III-I

III

10/21

4440

19

6

III-III-III-III

III-I

4441

12

3

8

10/21

4442

13

5

13

III-III-III

III

III-III-III

10/21

R-2 4443

28 all straw

10/21

4444

13

4

7

III-III-III

III-I

III-II

10/27

Hulls ENDO-SPERM

str seg

— (Bar purpurea x gold hull, glus x com kernels.)

5398 x 1645

Hulls -

Part

stems

425

9

(gold purpurea)

th gold

113

3

gold

174

4

OK.

= 712

Endosperm -

Com.

slg

glus

194

351

167

= 712

1

2

1

OK.

6313

C.T. 5398 xcl 645

Hulls

ENDO-SPERM

str

str

R-2

straw furrows gold

4445	19	3	5	10/21
4446	22 all straw.			10/21
4447	10	7	8	10/21
4448	23 straws 3 furrows			
4449	21		9	
4450	16	7	5	10/21
4451	20	0	6	10/21
4452	24	3	7	
4453	21	6	6	
4454	20	3	10	10/21
4455	21	5	9	10/21
4456	20		8	
4457	17	2	11	
4458	20	7	0	10/21
4459	20		5	10/21
4460	16	6	0	10/21
4461	16	0	8	10/21
4462	23	3		10/21
4463	22	2	8	
4464	14	8	8	

R-8

6313

Hulls

ENDO
SPERM

Str

Seg

R-8

4465

22

0

lt

dark

4

10/21

4466

19

9

0

10/21

4467

22

0

0

10/21

4468

28

0

0

10/21

4469

15

7

6

10/21

4470

13

7

3

10/21

4471

24 straw

10/21

4472

19

11

0

10/21

4473

26

0

4

10/21

4474

23

5

0

10/21

4475

17

6

10/21

4476

25

0

0

10/21

4477

12

5

7

10/21

Hulls

ENDO
SPERM

Str

glut

R-2

4478

25

2

8

10/21

4479

16

0

5

10/21

4480

17

13

0

10/21

4481

10

8

6

10/21

4482

18

11

11

11/22

4483

13

4

R-8

4484

23

3

4

Hulls	ENDO-SPERM	R-8	straw	furn	gold	10/21
sta	glut	R-8	23 III-III-III-III	8	11	10/21
			20 III-III-III-III	6	0	
			19 III-III-III-III	0	4	
			24 III-III-III-III	1	4	
			22 III-III-III-III	3	5	10/21
			22 III-III-III-III	3	5	10/21
			22 III-III-III-III	2	2	10/21
			22 III-III-III-III	18 furrows but very faint in some	3	(3 very light golds, may be straw)
Hulls	ENDO-SPERM	R-2	21 III-III-III-III	3	7	10/21
gold furrows	com		2-doubtful	26 furrows but faint in some	11	
			11 III-III-III-III	12	0	
			0	27	0	10/21
			14 III-III-III-III	10	6	
			2?	19	5	10/21
			0	20	9	
			3?	27		
Hulls	ENDO-SPERM	R-2	1	16	5	
gold furrows	leg		22	6		11/22
			28 all furrows			10/21
			mostly straw	possibly 6 only light furrows (not typical furrows)		31 plants 11/21

6313

Hulls	ENDO-SPERM		str	fur	gold	
gold		R-2	4505		17	11/22
furrowed	segregating	R-8	4506	22	8	11/22
			4507	14	6	10/22
			4508	20	5	10/22
			4509	23	3	11/22
Hulls	ENDO-SPERM	R-2	4510	3	20	10/22
gold	glutinous		4511	31		11/22
furrowed			4512	5(2)	2	
		R-8	4513	21 all furrowed	0	10/22
			4514	32 furrowed	0	10/22
			4515	27	6	10/22
			4516	20		11/22
Hulls	ENDO-SPERM	R-2	4517		29	11/22/3v
Gold	com	R-8	4518	0	20	10/22
			4519		32 all gold	
			4520	0	22	10/22
Hulls	ENDO-SPERM		4521	1 ataw	32 gold	
Gold	segregating		4522	0	25	10/22
			4523	1 ataw	27	10/22
			4524		16	10/22

6313

C.I. 5398 x C.I. 1645

Hulls

ENDO-
SPERM

Gold

sup.

straw

furrows

gold

4525

26-all gold

4526

0

0

32 all gold

10/22

4527

1 straw

20-gold

4528

0

0

22

10/22

4529

1

1

23

10/22

4530

0

0

16

10/22

4531

0

0

12

10/22

R-8 4532

0

0

21

10/22

4533

0

0

27

10/22

4534

0

0

20

10/22

4535

28-all gold

4536

27 all gold

4537

0

0

28

10/22

Hulls

ENDO-
SPERM

Gold

glut.

R-2 4538

29 all gold

4539

0

0

35

10/22

4540

1

0

19

10/22

4541

0

0

12

10/22

4542

0

0

23

10/22

R-8 4543

0

0

30

10/22

4544

C.I. 1645

Parent variety

-4-

1962 x Blackhell Red - (Stew x Blackhells, white x Red kernels)

Bulls -	Bl	Bl/g	Pa Gold	Lk Pa gold	Stew
	184	129	176	71	87 = 647
Rotis	9		6		2

Kernel Color -	Red	white
	480	167 = 647
Rotis	3	1

6313 Summary

The hull color groups in the cross 5398 x 1645 are straw, gold furrow, and gold. The intensity of the color in the furrow in gold furrow class, varies a good deal in intensity even in lines breeding true for gold furrow. For this reason it was difficult to separate the straw and light furrow groups because of some discoloration in furrow of straw plants.

The gold group consisted of fairly dark gold and light gold hulks. It is possible that some of the light golds were really gold furrow.

6316

C.D. 1962 x Blackball Red

Hulls	SEED COAT		Black	BL/G	Pa 6 light	dark	Straw	SEED COAT
Black	Red	R-1	4545	1 I	1 I	0	1 I	Red. 10/22
			4546	9 II-III	0 I	2 II	4 II	Red. 10/22
			4547	12 II-III-IV	3 II	6 II-1	8 II-III	Seg. 10/22
			4548	7 II-III	2 II	9 II-III	6 II-1	Seg. 10/22
			4549	13 II-III-IV	4 II	5 II-1	6 II-1	Seg. 10/22
			4550	19 II-III-IV	8 II-III	5 II	5 II	RED
			4551					
			4552	18 II-III-IV			10 II-III	Seg.
			4553	3 III	1 I	1 I	3 III	Red. 10/22
			4554	25 II-III-IV	0	0	0	Red. 10/22
		R-2	4555	19 II-III-IV	0	3 IV	5 II	Seg. 10/22
			4556	6 II-1	0	0	3 II	Red. 10/22
			4557	13 II-III	0	0	2 II	Seg. 10/22
			4558	7 II-III	2 II	1 I	0	Seg. 10/22
			4559	6 II-1	4 III	3 III	3 III	Seg.
			4560	20 II-III-IV	2 II	0	8 II-III	Seg. 10/22
			4561	13 II-III-IV	5 II			Red.
		R-3	4562	7 II-III	2 II	2 II	6 II-1	Red
			4563	4 III	1 I	0	2 I	Seg. 10/22
Hulls	SEED COAT	R-1	4564	13 II-III-IV	2 II	2 II	3 I	White 10/22
Black	White							

6316

Hulls	SEED COAT		Black	B/G	Pa G	Straw	Seed coat	
Black	white				light	dark		
		R-1	4565	9 ///-///	4 ///	5 ///	6 ///-1	white
			4566	10 ///-///	2 //			white
			4567	14 ///-///	3 ///	6 ///-1	7 ///-1	white 10/32
			4568	11 ///-///	2 //	4 ///	4 ///	white
		R-2	4569	5 ///	0	1 /	0	white 10/32
			4570	19 ///-///-///-///	3 ///	0	3 4 ///	white 10/32
			4571	19 ///-///-///-///	2 //	5 ///	3 1 ///	white 10/32
			4572	11 ///-///	1 /			
			4573	16			8	white 10/32
		R-3	4574	26 ///-///-///-///-///	1	1 /	6 ///-1	white
			4575	5 ///	3 ///	7 ///-1	2 //	white
			4576	1 Black plant				white
			4577	19 ///-///-///-///	2 //	0	0 5 ///	white 10/32
			4578	10 ///-///-1	0	0	5 ///	white 10/32
Hulls	SEED COAT							
B/G	Red	R-1	4579	5 ///	3 ///	9 ///-///	2 //	seg.
			4580		12 ///-///-1	16 ///-///-1	2 //	seg.
			4581	5 ///	2 //	9 ///	2 2 ///	seg 10/32
			4582	0	14 ///-///-///	0	12 ///	Red 10/32
			4583	13 ///-///-1	2 //	17 ///-///-1		Red
			4584	0	11 ///-1	6 ///	2 //	Red 10/32

6316

C.I. 1962 x Blackhull Red

Hulls	SEED COAT			Black	B/G	PaG	Shaw	SEED COAT
B/G	Red	R-1	4585	0	15 	15 	2	Red 10/24
			4586		31-act B/G			Red.
		R-2	4587		26	9		Red.
			4588	0	7 	2	1	Red 10/24
			4589	0	29-act B/G	11	1	Red.
			4590	0	30	0	0	Red 10/24
		R-3	4591		3 			Red.
			4592		18	9		Red.
			4593		26 act B/G most of them impaint gold color.			Red.
			4594	0	7	1	10	Red 10/24
			4595	0	1	1	0	White 10/24
B/G	Wh.	R-2	4596	0	1 B/G 	20	0	White 10/24
			4597		18 	17		White 10/24
		R-3	4598		3 			White.
			4599		17 	4		White 10/24
PaG	Red	R-1	4600	0	9 impaint PaG	20 	6	Red 10/24
			4601			20 	11	Red.
			4602			17 	9	Red.
			4603				20	Red 10/24
			4604			22 		Red.

6316

Hulls	SEED COAT		Black	Bl/5	Pa G	Dark.	Straw	SEED COAT
PaG	Red	R-2	4605	0	0	16	0	Seg. 10/24
			4606	1 Black		21 NI-NI-NI-NI-I	7 NI-I	Seg.
			4607	1 Black		28 PaG NI-NI-I	2 straw II	2 imp. hulls. Red.
			4608	1	2	12	2	7 Red.
			4609	1	11	NI-NI-I-I-I	NI-I	Seg.
			4610	0	0	11	5	2 questionable one imp. noque Red. 10/24
			4611			23	17	5 Red 10/24
		R-3	4612			22	6	Red
			4613					
			4614		2	18 NI-NI-NI-I-I		Red.
			4615			15	9	Seg. 10/24
			4616			11	5	Red 10/24
			4617			27 dark		Seg. 10/24
			4618 ✓			34 NI-NI-NI-NI-NI-I		2 doubtful, may be light, rated Seg.
			4619	(Exp. Red plant)		10	4	Seg. 10/24
			4620			16	4	Red
			4621			21	1 straw	Red 10/24
			4622			19	7	Seg.
Hulls	SEED COAT	R-1	4623			27 all red		White 10/24
PaG	Wh.		4624			17	1	White 10/24

6316

C.I. 1962 x Black hull Red

Hulls	SEED COAT		Black	Bl/wh	pa G	Straw	SEED COAT
pa G	Wh.	R-2	4625		13	8	white 10/24
			4626		III-III-III 10	III-III 8 5	white 10/24
			4627		III-III 19	III-III 6	white
					III-III-III-III	III-I	
Hulls	SEED COAT	R-1	4628	3	24	7	white
faint pa G	Red		4629	///	III-III-III-III 15- all pa G, some quite faint	III-II	set.
			4630		20	6	seg 10/24
			4631		13	3	seg. 10/24
			4632		III-III 11 1/2 pa G	III 9 (some may be faint)	Red.
			4633		III-III-I 15	III-III 6	seg 10/24
		R-2	4634		III-III 19	III 10	seg 10/24
			4635		III-III-III 6	III-III 2	Red 10/24
			4636	1	III 13	III 2	seg 10/24
			4637	1	III-III-III 21	III-II 10	seg 10/24
			4638		III-III-III-III-I 12	III-III 2	seg. 10/24
					III-III-I 9	III 2	white 10/24
Hulls	SEED COAT	R-1	4639		III-III 16	III 5	white 10/24
faint pa G	Wh.	R-2	4640		III-III-III 10	III 17	white 10/24
		R-3	4641		III-III 16 1/2 pa G	III-III-III-III 6	seg.
Hulls	SEED COAT	R-1	4642		III-III-III-I 10-9	III-II 27	Red
Straw	Red		4643				seg 10/24
		R-2	4644				

6316

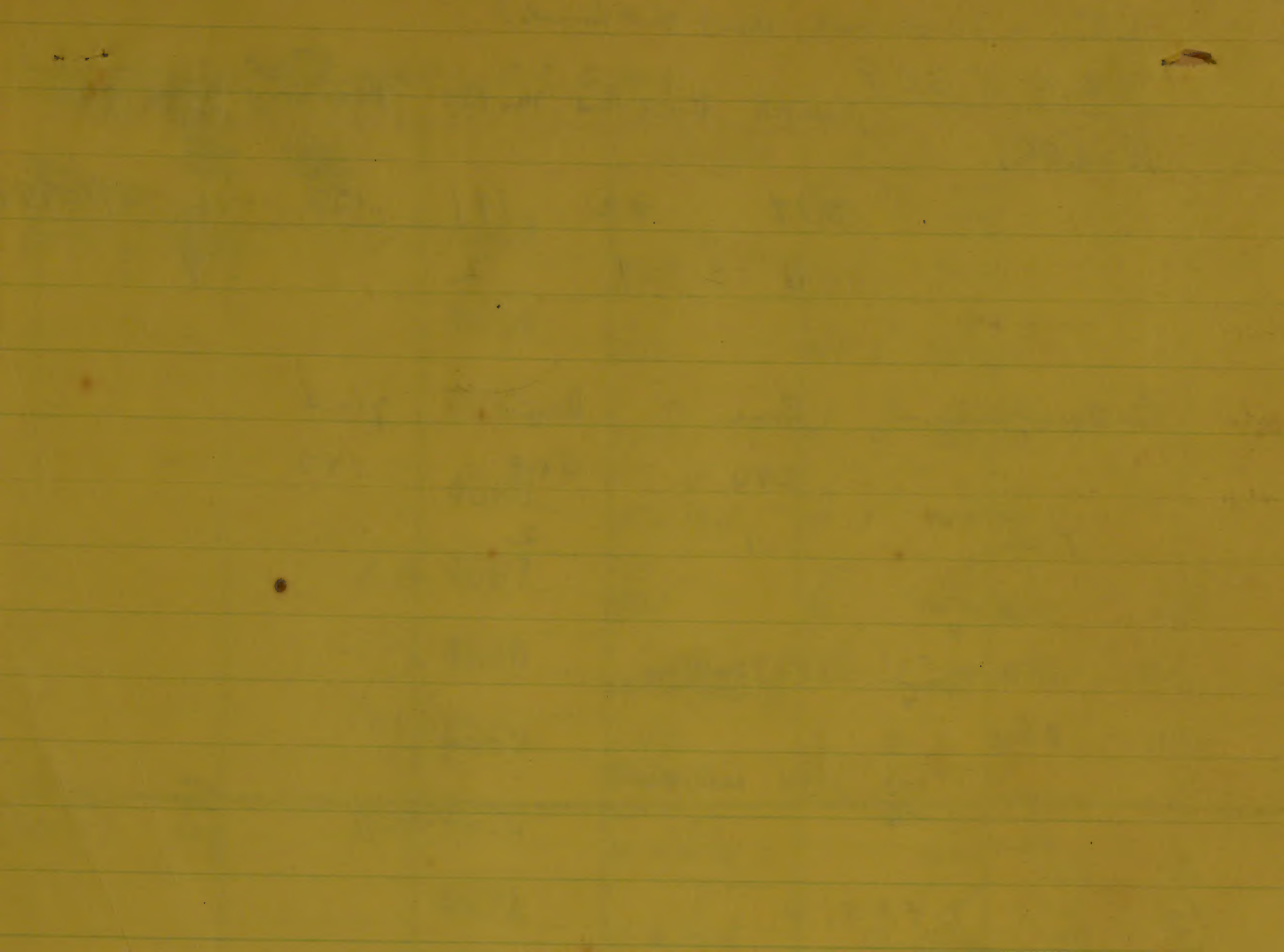
Hulls	SEED COAT		Black	Bl/G	Red	Straw	seed. coat
Straw	Red	R-2	4645		1	26	seg
			4646			4 18 straw	seg 10/24
			4647			31 all straw	seg. 10/24
			4648			32 all straw	seg. 10/24
			4649		2	15	seg. 10/24
		R-3	4650		11	11-11-11	seg. 10/24
			4651		12	8	
			4652		11-11-11	11-11	
			4653			26 all straw	RED.
			4654			36 all straw	seg 10/24
			4655		10 5	12 (difficult to classify)	Red 10/24
			4656		11-11	11-11-11	
			4657		3	26	10/24
			4658		12	5	RED
			4659		11-11-11	11	
			4660		9	14	Red 10/24
			4661		11-11-11	11-11-11-11	
			4662		3	8	Red 10/24
			4663		11-11-11	11-11	
Hulls	SEED COAT						
Straw	Wh.	R-2	4658	3 Black with red seed coat		23 straw	22 white 4 red.
			4659		16	8	white
			4660		11-11-11	11-11	
		R-3	4661		2	12	White 10/24
			4662		11	11-11-11	
Blue Rice	Parent		4661				
Black hull	Red, Parent		4662				

63/8

Summary:

In the cross 1962 x Black-hull Red the hull color classes were

Black, Black over patchy^{gold}, patchy gold, and straw. Black & Black over patchy or gold are relatively easy to classify unless too ripe. The patchy group include relatively deep golden; & brownish gold, largely in the furrows; and light patchy areas not confined to the furrows. The faint class was naturally difficult to separate from straw with certainty from straw plants. In families classified as light patchy in 1937, a relatively faint color was considered to be patchy.



(Stems x purple hulls, Am x flint kernels)

1962 x 5309

Hulls

purple Brick Red. Mr Red

Stems
Propagated by 1949
1948

378 42 111 157 16 = 291 = 995

6 1 2 7 ?

Endosperm - Cone Seg flint

294 509 192

Ratio 1 2 1 ?

Pr Red

378 153 = $\frac{531}{4}$ = 133 seed-20

MR BRed

111 42 $\frac{153}{4}$ = 38 new + 4

Pr Plant 535

Red 169

oth 291

995

> 9:3:4 ?

74
995

192
509
291
995

6320

12+14

C.I. 1962 x C.I. 5309

4479
210
50 58

Halls

ENDO-
SPERM

Purple

Com

R-12 4663

Purple

Straw

m

Br. Red

c 5 g

16

1 (?)

7

24

4664

9

6

2

9

4

30

4665

12

4

3

7

4

30

4666

17

4

1

8

3

33

R-14 4667

7

5

12

5

3

32

4668

24 dup purple

6 pure straw

30

4669

13

2

2

6

3

3

29

Halls

ENDO-
SPERM

Purple

Seg

R-12 4670

23

12

15

11

5

4671

18

4

8

4

12

8

7

4672

17

10

5

2

seg

4673

13

5

5

6

4

2

seg

4674

24 dark pr.

8

seg

4675

10

4

1

8

2

seg

4676

16

8

1

seg

4677

19

9

3

1

chuck seg pr.

4678

9

3

5

5

seg

4679

12

2

10

1

seg

E R-14 4680

24

4

seg

late

4681

11

5

4

7

3

seg

late

4682

19

11

seg

6320

C.I. 1962 x C.I. 5309

Hulls	ENDO-SPERM			Pr	Straw	mr	Br Red	C	sm-g
Purple	leg.	late E R-14	4683	18 - -	11 -	2 			seq
		early	4684	12 	6 	9 			seq
		early	4685	17 - -	8 1 	4 	4 		seq
		early	4686	14 -	4 4 		9 -		seq
		late	4687	25 		12 			seq
		late	4688	14 -		3 			seq check reds
Purple	glut.	E R-12	4689	20 - -		1 	3 		gl
		E	4690	24 - -	4 3 		8 -		gl
		E	4691	13 -	5 	4 	2 		gl
		E	4692	22 - -			10 -		gl
		leg R-14	4693	13 -	6 2 7 	3 			gl
		late	4694	18 -		8 -	6 	1 	check last glut on sand shed fide mr
		leg	4695	18 deep purple -	6 		4 		gl
		late	4696	15 -		7 	4 	2 	check reds + red apic
		E	4697	18 - -			9 -		gl
		late	4698	12 -	5 	10 -			gl
		E	4699	21 - -	7 				gl
Hulls	ENDO-SPERM	E R-8	4700	1 m purple			24 Red	C	
Brick Red	Com	E	4701		8 red apic		16 - -		seq
Hulls	ENDO-SPERM	E R-1	4702				27-Brick red		seq

6320

1938 maturity

Hulls	ENDO-SPERM				purple	Straw	mr	Br. Red	C	S	gl
Buck Red	seg	E R-1	4703			8 red apex		21 II-III-III-III		seg	
		E	4704			6 red apex		22 III-III-III-III		seg	
		E R-8	4705			12 red apex		22 III-III-III-III		seg	
		E R-14	4706		1 purple	3 red apex		25 III-III-III-III		seg	
Buck Red	glut	E R-1	4707			4 red apex		15 III-III-III			gl
		E R-2	4708		1 purple	9 red apex		20			gl
		late R-12	4709		1 purple			26 Br. red			gl
		E R-17	4710			10 red apex		17			gl
		E	4711					27 Br. Red			gl
		late	4712					Buck red			gl
Buck Red	com	late R-14	4713					mr. C			
mottled Red	seg	E R-12	4714					27 III-III-III-III		seg	
		seg	4715			2 3 11 III III III-III		2 III		seg	
		seg	4716			9 8 9 III III III-III				seg	
		seg R-14	4717			4 III		10 III-III		seg	
		seg	4718			8 4 11 III III III-III		8 III-III		seg	
		late	4719			11 9 7 III III III-III		5 III		seg	
Buck Red	glut	late R-12	4720					mr.			gl
		E	4721			9		19 III-III-III-III			gl
		seg R-14	4722			6 7 14 III III III-III		4 III			gl

C.I. 1962 y C.I. 5309

Hulls

ENDO-
SPERM

1938
March 1

Dr. Red

C	S	g

Straw Corn

late R-14 4743

4744

4745

4746

4747

4748

4749

4750

4751

4752

4753

4754

4755

~~Bills~~

ENDO-
SPERM

R-12 4756

4757

4758

4759

4760

4761

R-14 4762

seq

Dec.

209

seq

des

6320

C.I. 1962 x C.I. S309

Hulls	ENDO-SPERM	1958 mat		Purple	Straw pr apex	Straw apex	M. Red	Br. Red	Straw red apex	C	seq	gl
Straw	seq	E R-14	4763	2 purple, tall (Hybrids)		23 pure Straws					seq	
		late	4764								seq	
Hulls APEX	ENDO-SPERM											
Straw	glut	late R-12	4765									gl
		late R-14	4766	1 purple								gl
Hulls APEX	ENDO-SPERM											
Straw pr	Com	E late R-14	4767	1	12 III-III-III	9 III-III		8 III-III			seq	
Hulls APEX	ENDO-SPERM											
Straw pr	seq	seq R-12	4768		22 III-III-III-III-III			10 III-III			seq	
		seq	4769	1 purple	15 III-III-III	10 III-III		8 III-III			seq	
		E	4770		18 III-III-III-III	10 III-III		7 III-III			seq	
		late	4771		15 III-III	13 III-III		7 III-III			seq	
		E	4772		20 all proper, straw hulls						seq	
		late R-14	4773		13 III-III-III	5 III		9 III-III			seq	
		E	4774		22 III-III-III-III	4 III					seq	
		late	4775		27 III-III-III-III	7 III-III					seq	
		seq	4776		17 III-III-III	9 III-III		3 red			seq	
		seq	4777		13 III-III	12 III-III		6 III-III			seq	
		E	4778		32 all proper						seq	
		seq	4779		10 III	9		8 III			seq	
Hulls APEX	ENDO-SPERM											
Str pr	glut	E R-12	4780	2	22 III-III			6 III			seq	
		seq	4781		26 III-III			6 III			gl	
Hulls APEX	ENDO-SPERM											
Str Red	Com	E R-12	4782	2 purple plants		6		17 III				

5

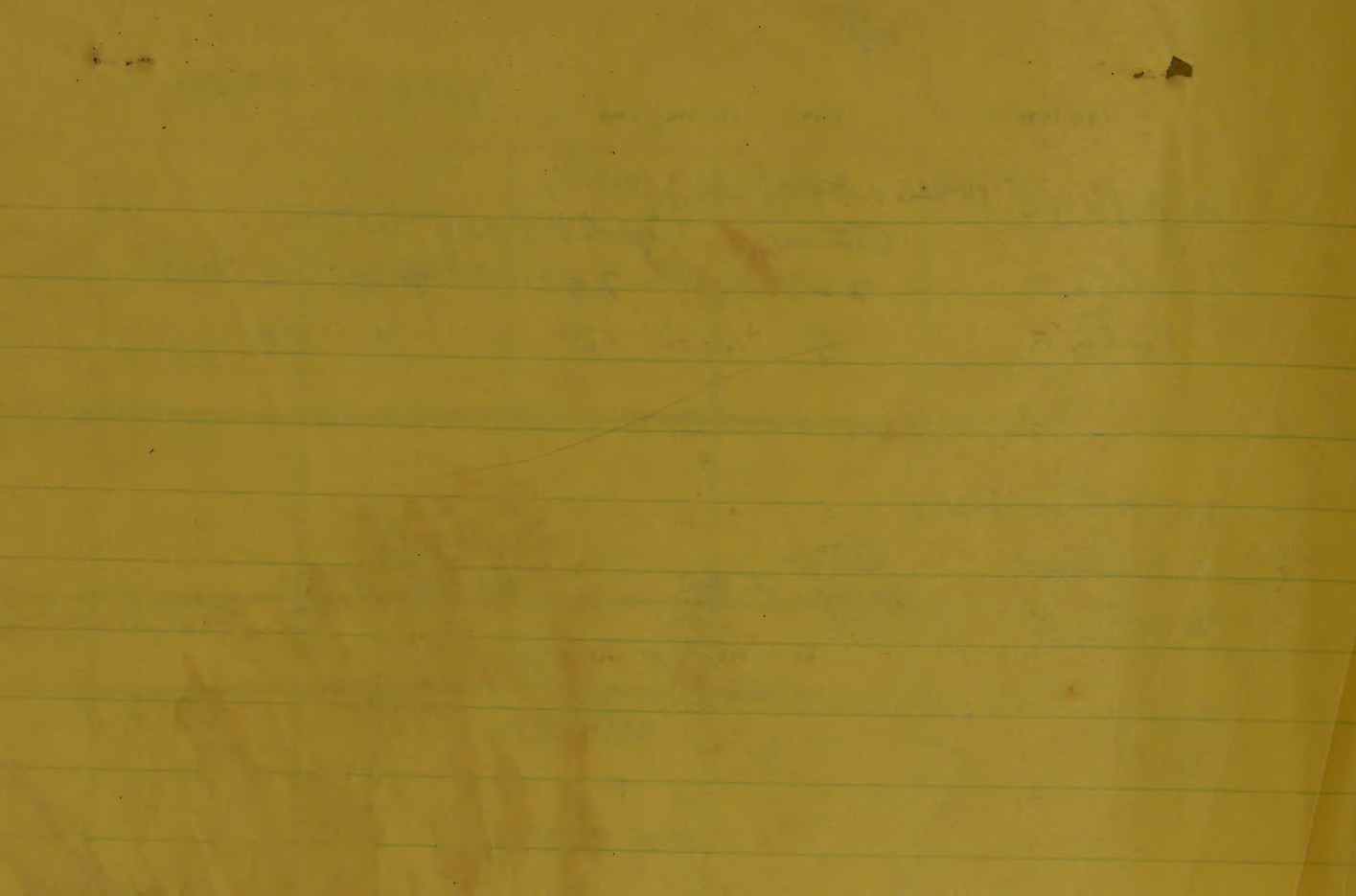
3212 x 1645 (white x gold hulls)

	stems	gold	white	
Hulls -	227	79	93	= 397
Roots -	9	3	4	ok

(white x stem hulls)

3212 x 1962

	stems		white	
	Pr api	st api	Pr api	st api
Hulls -	59	19	10	5 = 93
	15		1	?
api	3		1	ok



6320

Hulls apex	1938 not	1939 not	Straw	Straw C S	g
			per apex	per apex	
Str Red seg		seg R-12, 4783	6	2/	seg
		seg R-14 4784	3 or 4 late not classified	14	check seg
Blue Rose, Parent		4785	14	14	
C.I. 5309, Parent		4786			

Summary

In the cross 1962 x 5309 the hull colors were as follows; (1) purple and mottled purple; (2) straw; (3) straw with purple apex (the purple sometimes follows along the edge of the hulls when young but fades out on maturity to purple apex. In some plants the color appeared to be confined to the apical area); (4) straw with red apex or apical area (when the apex appeared to be colored it was difficult to distinguish between this group and the mottled red group. when mature the red and purple apex plants could not be distinguished with certainty except that the purple plants had anthocyanin pigment in the leaf sheath bundles and in the inner sheath axils. This was not the case for red apex plants).

(5) mottled Red and (6) Brick red. The mottled reds were lighter in color than the Brick reds and appeared to be dominant to brick reds.

In classifying the plants when slightly immature it is possible that some brick reds may have been classified with mottled red.

plants with purple hulls had purple color in the leaf sheath bundles and in side the sheath in all plants examined and were of the same intensity as purple apex group.

6321

C.I. 32/2 x C.I. 1645

Bulls

Straw

Straw

gold

white

-1 4787

20

8

4788

12

9

4789

20

8

4790

12

4

4791

16

5

4792

24 straw

15

4793

6

4794

16

7

4795

23

7

4796

14

5

4797

22

1 Legit Sold
No. 12430

3

4798

9

8

10

4799

4800

4801

22

6

4802

20

5

4803

19

7

4804

4805

18

10

4806

6321

Hulls

straw

R-1 4807

25
|||||
||-||-6
#-1

check for white

4808

17
||-||
||-||10
||-||5
#-1

4809

23
||-||-||-||-||-||3
|||

4810

19
||-||
||-|||6
||-11
/

check for white

4811

19
||-||
||-|||12
||-||-||

4812

21
||-||
||-|||9
||-|||

R-3 4813

25 all straw

15

1

8

4814

||-||-||-||

1

||-|||

4815

18
||-||
||-|||6
||-18
||-|||

4816

10
||-|||

5

9

4817

19
||-||-||-|||5
||-||8
||-|||

4818

||-||-||-|||

||-||

||-|||

4819

35 all straw

||-||-||-||-||-||-||-||-||-||-||-||-||-||-||-||

4820

15
||-||-||-||-||5
||-||5
||-||

4821

4822

9
||-|||5
||-||3
|||

4823 ✓

20
||-||
||-|||6
||-1

4824

16
||-||-||-||-||1
/

4825

4826

15

6

5

C.I. 32/2 x C.I. 1645

6321

Hulls

Gold

R-1 4847

28 - all gold

4848

22 Salts

3 Whites

4849

III-III-III-III-III

III

4850

30 all salt

4851

24 all salt

4852

17 Gold

3

4853

III-III-III-III

III

4854

4855

4856

18

3

4857

26 gold (all)

4858

13

4
III

4859

18

12
III-III-III

4860

32 all gold

4861

21

6

R-3 4862

18

8

3 tall late plants, appear to be hybrid

4863

24 all gold

1 tall late, hybrid

4864

14

7

1 tall late hybrid

4865

31 - all gold

4866

14

6

III-III-III-III

III-III

6321

C.I. 32/2 x C.I. 1645

Pen
9885-49
not

Hulls		Straw	gold	white
Gold	R-3	4867	19 - - -	6 -1
		4868	26 - - -	6 -1
		4869	20 - - -	6 -1
		4870	24 - - -	4
		4871		
White	R-1	4872	14 - -	6 -1
		4873		18 - all white
		4874		16 all white
		4875		20 - all white
		4876		12 whites
		4877		17 - all white
		4878		23 - all white
		4879		18 - all white
		4880		17 - all white
		4881	6 -1	1 1
		4882		16 - all white
		4883		16 whites
	R-3	4884		5 whites
	last row shown on minus Block-S			
		4885		16 white
		4886		

3 - tall late plants

1 purple rogue

2 - tall late plants

4 tall late

2 - tall late

1 tall late

str	gold	white
12	4	7
16	5	4
14	5	6
9	8	10
17	10	5
19	6	1
18	6	8
10	5	9
19	5	8
15	5	5
9	5	3
15	6	5
10	4	3
16	4	8
14	7	5
17	5	7
20	6	4
14	7	6
6	7	1

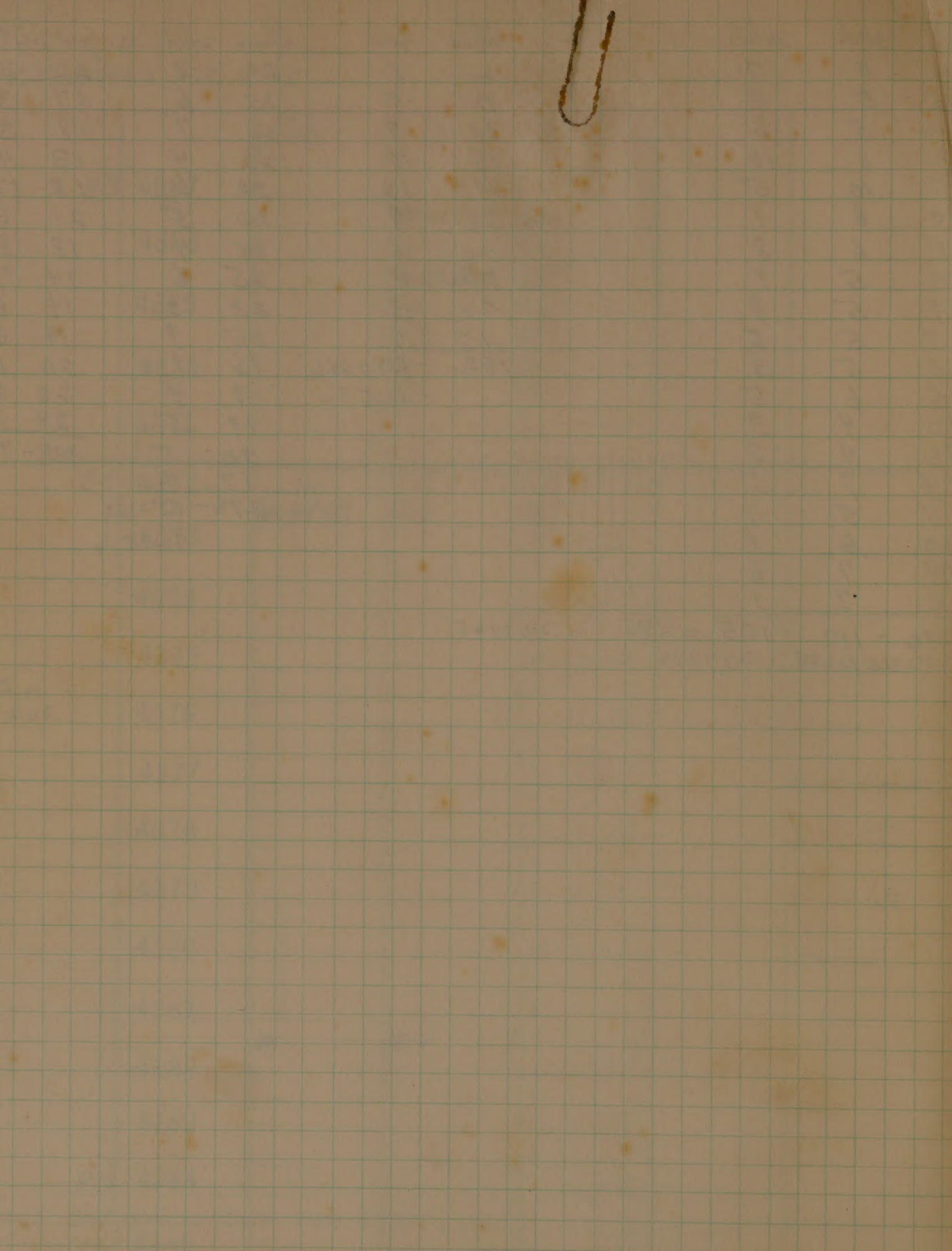
$$270 - 110 - 105 = 485 \quad \frac{1}{16} 30,3125$$

$$272.8125 / 21.25 = 90.9375$$

stran	gold
20	8
12	9
23	7
18	10
19	12
21	9
20	6
12	9
26	3
15	7
186	-80 = 266
	66.5 $\frac{1}{4}$

stran	white		gold	white
20	8		22	3
15	6		17	3
16	7		18	3
22	4		13	4
22	6		18	12
20	5		21	6
19	7		18	8
25	6		14	7
23	3		14	6
15	9		19	6
16	1		20	6
9	4		20	6
19	5		24	4
20	5		228	-74
17	9			
278	-85 = 363			
	90.75 $\frac{1}{4}$			

$\frac{1}{16} 755$
302



	Shim	gold	white
2	270	110	105
T	2728125	90.9375	121.25
d	2.8125	19.0625	16.25
d ²	7.9102	363.3789	264.0625
d/T	.0290	3.9960	2.1778
	χ^2	6.2028	$P = .01 - 0.05$

	Shim	gold	
	186	80	$= 266 \frac{1}{4} 66.5$
	199.5	66.5	
	13.5	13.5	
	182.25	182.25	
	.9135	2.7406	
	χ^2	3.6542	$P = .05 - 0.10$

	Shim	white	
	278	85	
	272.25	90.75	
	4.25	4.25	
	18.0625	18.0625	
	.1664	1.9903	
	$\chi^2 =$	2.6538	$P = 0.10 - 0.20$

	Gold	white	
	228	74	$= 302 \frac{1}{4} = 75.5$
	226.5	75.5	
	1.5	1.5	
	2.25	2.25	
	.0994	.2980	
	$\chi^2 =$	3.974	$P = 0.50 - .95$

6321

Hulls

White

P-3 4887

4888

4889

4890

4891

4892

4893

C.I. 3212 Parent

4894

C.I. 1645, Parent

4895

In the cross 3212 x 1645 the hull color groups were (1) straw; (2) gold; (3) white. The white and straw groups were rather difficult to separate, especially when slightly immature and also when over ripe. All gold plants have gold culms. The results indicate that gold is dominant to white hulls but the whites obtained in segregating gold lines appear to be a darker shade of white and all examined have had gold culms.

$$\begin{array}{r} 1884 \\ 22 \\ \hline 1906 \end{array}$$

$$\begin{array}{r} 22 \\ 42 \\ \hline 64 \end{array}$$

6323
Squad II

C.I. 3212x C.I. 1962

4885-4991
not seen

U

Hulls APIC.

Str.

Pr.

R-5 4896

4897

4898

4899

4900

4901

4902

4903

4904

4905

4906

4907

4908

4909

4910

4911

4912

4913

4914

4915

6323

Hulls APIC

Str Pr

R-5 4916

4917

4918

4919

4920

R-11 4921

4922

4923

4924

4925

4926

4927

4928

4929

4930

4931

4932

4933

4934

4935

6323

C.I. # 32/2 x C.F. 1962

Row 4885-
4941 not sown
5/5 sown

Hulls	APIC			Straw	White
Str	Pro	R-11	4936		
			4937		
			4938		
			4939		
			4940		
			4941		
			4942		
			4943	3 white in 1939	
Hulls	APIC				
Str	Str	R-5	4944	17 ^{all} straw	
			4945	27 ^{all} straw	
			4946	21 ^{all} straw	
			4947		
			4948		
			4949	14 ^{all} straw	
		R-11	4950	seg	
			4951	all white in 1939	
			4952	14 straw 1/2 white	
			4953	13 7	
			4954	25 all straw	
			4955	seg	

1st row sown

6323

46
70

Hulls	APIC			Stems	white				
Str	Str	R-11	4956						
			4957						
			4958		seg				
			4959	11	3				
Hulls	APIC								
Classed as straw (may be white)	Pr	R-5	4960		seg				
			4961		seg				
			4962	all white in 1939					
			4963		seg				
			4964	19	— 3				
		R-11	4965	no plants					
			4966		21-all white	all white in 1939			
			4967	17-straw	6 white				
			4968		seg				
Hulls	APIC								
Classed as straw; (may be white)	Straw apic	R-5	4969		seg				
			4970						
		R-11	4971		19-all white	all white in 1939			
Hulls	APIC								
White	Pr	R-5	4972		appears all white	(21 plants) all white in 1939			
			4973		12-all white				
			4974			20 plants too green probably			
		R-11	4975		22-all white				

(~~Stems~~ purple hulls, ch x long cobs, smooth x rough hulls)

3025 x 4011

Hulls -

stems

99

Light yellow

34

= 133

Roth

3

1

1

OK

O. glumes -

Short

104

Long

29

= 133

Roth

3

1

1

OK

Pubescence -

Rough

99

smooth

34

= 133

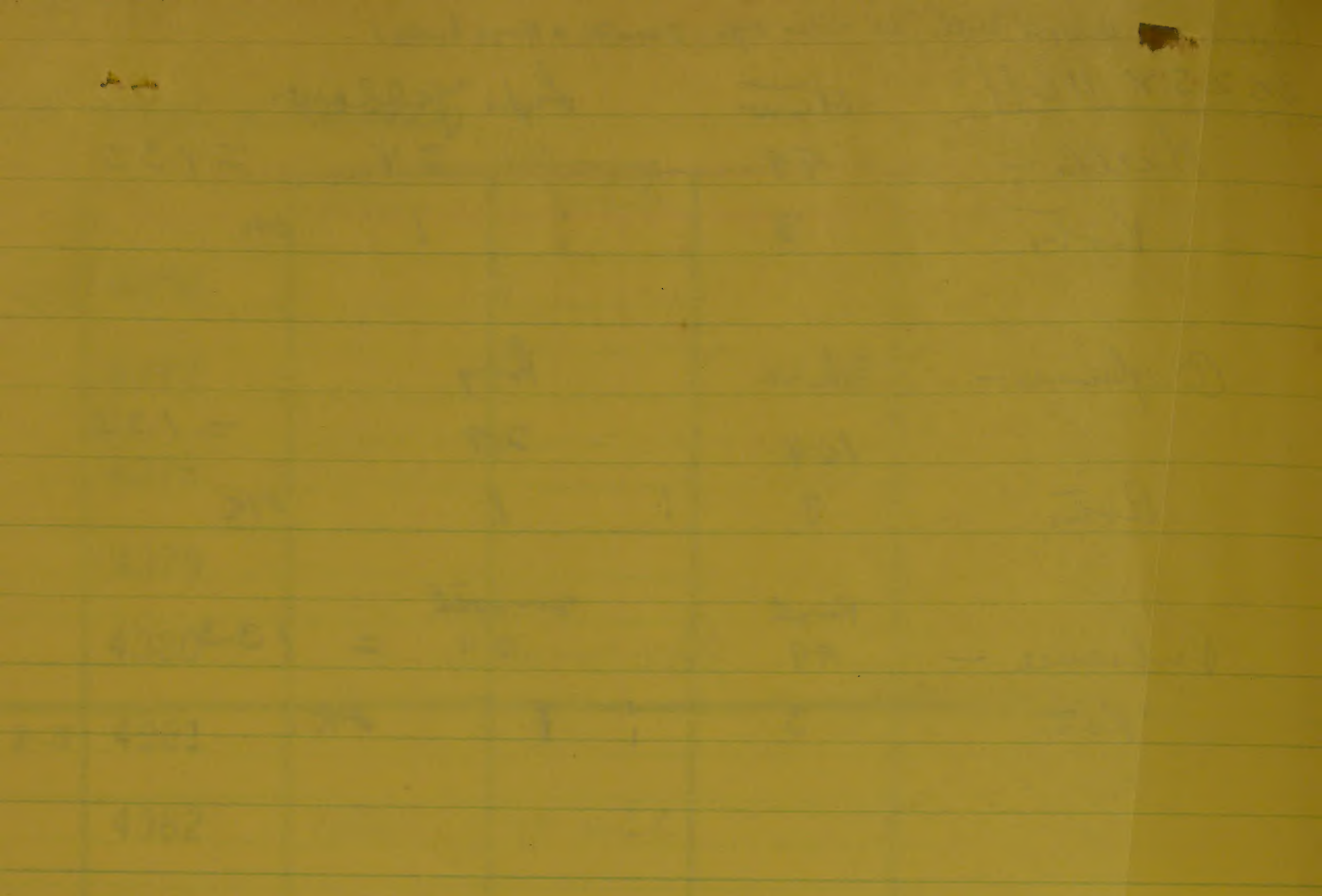
Roth

3

1

1

OK.



6326

C.I. 3025 x C.I. 4011

Ducks

kernel-

Halls	PUB- ESCENCE	OGL	ENDO- SPERM		Stems				L. yellow				Rp			Fruit Purple			purple on brown base c-seg
					Short	long	Short	long	Short	long	Short	long	c	Seg	glut	c	Seg	gl	
Str	Row	Sh		R-3	rough Sm	Row Sm	Row Sm	Row Sm	Row Sm	Row Sm	Row Sm	Row Sm			6			8	
				4986	17				2										
				4987	17				3				7			13			
				4988	9	3	2		3	2	1		1	8	1				3-5-1
				4989	21								6	3	7	3	1	1	
				4990	13	2	3		3	2				1	3	11	4	4	
				4991	21		3						3	7	5				3-5-1
				4992	10	7	4								21				
				4993	12	2			5	2					18			3	
Embryonic buds of parent				4994	9	✓	1	✓	3	3			3	6	3				4-3-2
				4995	16	8	2						2	5	7	4	3	3	0-1-1
				4996	21													21	
				4997	19	4							4	9	3	1	6		
				4998	8	4	4	1					8	4	2	2	3		1-0-0
a deeper purple than P ₃ in F ₂				4999	11	3	3	✓	1	1	2						1		4-11-5
				5000	9	3	1											5	0-0-8
				5001	10	4	4	1	1	1			2	2	3	4	6	4	
				5002	10	5	2	1					2	4	5	2	1	3	0-1-0
				5003	11	1	5	1					0	3	1	1	6	1	4-2-0
				R-15 5004	17	4							6		2	6	4	2	1-0-0
				5005	11	7							8			10			

6326

Hulls

Kernel

Hulls	PUB- ESCENCE	O. GL	ENDO- SPERM	Straw	short F S	long Fm Sm	short Fm Sm	long Fm Sm	RP	c	S	q	P	c	S	q	P	RP	c	S	q
Straw	Row	short	R-15	5006	14	2					1	1	1	3							
				5007	12	5															
				5008	13	4													5	8	3
				5009	17	4	4	1			5	6	2	2					7	4	
				5010	4	2			1						3	4					
				5011	9	4					4	4	1	5	1	1					
				5012	11	2	2	3	3	2	1	1		7	1				4		
				5013	8	4	7					15							2		2
				5014	22														16		6
				5015	12	3	1	3			13			3					3		
				5016	13	1		1	5		2	2	0	7	5	3			1		
				5017	10			5						6	6	4					
				5018	9	1	6	4	1		1	3	3	5	5	2	1	1	0		
				5019	14	2					0	2	2	5	3	3					
				5020	11	4						7				7					1
Str	Row	long	R-3	5021		13	5			3	1			20							
Some variation in intensity of purple				5022		10	5														15
				5023		11	8						7								
				5024		13					10								3		
				5025		8	3		1	2			14								

6326

Hulls	PUB- ESCENCE	O.GL	ENDO- SPERM	Others		L. yellow		RP	Full P			Pungent Brown		
				R	am	R	am		c	seg	gl	c	seg	gl
Straw	Sm	short	R-15	5046	18	3			3	4		4	10	2
				5047	11	4	4	4	3			5	6	4
				5048	20	3			4			9		14
				5049	17	4	2	2	3	8				17
Straw	Sm	long	R-3	5050		13			3	3	1	3	3	
			R-15	5051		15		5	15					5
L. yellow	Raw	short	R-3	5052			14	4	1	3	5	3	2	2
				5053			9	1	5	1		4	9	3
				5054			9	2	2		2	1	3	2
				5055			20	3		4	2	4	7	3
				5056			5	2	2	2	3	6	2	1
			R-15	5057			11	5	4	3	5	7	4	3
				5058			10	3	5		9		9	
				5059			9	4	6		3	5	2	4
				5060			16	7		3	5	6	4	1
				5061			15	6		2	14	1		4
				5062			14	2	4	1	2	4	3	8
L. yellow	Raw	long	R-3	5063			13	4	7	1			3	10
				5064			17		6		5		17	
				5065				24		3	6	6	2	4

6326

C.I. 3025 x C.I. 4011

Kernel

				Dwarfing				T. Yellow				Pop			Shell			Purple		
				R	Dir	R	Dir	R	Dir	R	Dir	C	Dir	gl	C	Dir	gl	C	Dir	gl
L. yellow	Row long	R-3	5066							15	5				3	11	2	1		3
			5067							16	4				12	6	2			
			5068							11	3				3	5	6			
L. yellow	Sm short	R-3	5069					11		7	3				15					
		R-15	5070					10		6	4	1			2	5		1	2	1
			5071					11		4	10							5		
			5072					10		2					12					

C.I. 3025, Parent See row 5177

C.I. 4011, Parent See row 5178

* all except 2 seems to have red.

1

-6-

5810 x Blackwell Red - (Light gold x blackhulls, amber x Red kernels)

Hulls.	Bl/Pa hull	Bl/gull	Pa/gull	Red
	46	14	34	8 = 102
Roots -		9	6	1 or
Total pop -	504	134	274	71
Kernel Color -	Red		Amber	
	74		28	
Roots	3	1	1	etc.

6330

C.I. 5810 x Blackhull Red

Hulls	SEED COUNT		Black R a	Bl R a	Backy R at	gall. R. a			
PaG	Red	R-1	5073			13 6			
			5074			8 9 4 3			
			5075			14 2 4			
			5076			15 3			
			5077			17 6			
			5078			19 6			
			5079			19 4 1			
			5080			21 3			
			5081			15 5			
			5082			16 9			
			5083			12 4			
			5084			12 6 1			
			5085			13 6 2 1			
			5086	1	1	13 10			
			5087	1		22 4			
			5088		1	13 4 5			
			5089			22 5			
			5090			15 3 2 1			
			5091			19 11			
			5092			11 4 3 1			

6330

C.I. S810 x Blackhull Red

Hulls	SEED COAT			Black	Red	Pink	Gold				
				R a.	R a.	R a.	R a.				
PaG	Red	R-1	5093			13	6	4			
			5094	1		25	1				
			5095			14	3	3	1		
			5096			13	6				
			5097	1		18	3	2	1		
Hulls	SEED COAT										
PaG	Brown	R-1	5098			19		2			
			5099	2		14					
			5100			13		4			
			5101			19		3			
			5102			17		4			
			5103			15		3			
			5104	1		14		3			
			5105	1		16					
			5106			19					
Hulls	SEED COAT										
PaG	Red	R-1	5107		17	7		3			
			5108	9	5	7	2	7	1		2
			5109	8	5						✓
			5110	3	4	1	2	5	1	2	✓
			5111	8	4	1		8	1	1	✓
			5112	6	3	2	1	5	1	1	✓

6330

C.I 5810 x Blackhull Red

Hulls	SEED COAT			Black	Bl/g	Patent	gr					
Bl/ PaG	Red	R-1	5133	R a 5 2	R a 2 3	R a 10 1	R a 1 1				✓	
			5134	11 1	3 1	10 1	1 1				✓	
			5135	13 6	3 1							
			5136	10	1	8					✓	
			5137	13 1	5	2	1				✓	
			5138	11 4		7 6					✓	
			5139	15	3	4	1				✓	
			5140	13 8		1 3					✓	
			5141	12 1		5 1					✓	
Hulls	SEED COAT											
Bl/ PaG	Brown	R-1	5142		12		12				✓	Black over gold
			5143	11	3	8	3				✓	
			5144	29							✓	
			5145		14	7 1	5				✓	nature cross
			5146	10		14					✓	
			5147	1 18							✓	
			5148	1 3	6	1 5	1				✓	
			5149	13		5					✓	
			5150	2	4	15					✓	
			5151		16						✓	
			5152	12		6					✓	

6330

Hulls	SEED COAT		Block	Bl /g	Pitchy gold			
Bl /G	Red	R-1	R a	R a	R a	R a		
		5153		2	2			
		5154		3	3			
		5155		2	1	1		
		5156		2		2		
		5157	1		1			
		5158	1	2	2	2		
		5159		1				
		5160		1				
		5161		3		1		
		5162	4					
Hulls	SEED COAT							
Bl /G	Brown	R-1			15	5		
		5163	1					
		5164			20			
		5165			15			
		5166			9	2		
Hulls	SEED COAT							
Gold	Red	R-1				1	2	
		5167						
		5168						
		5169				8		
		5170	1			5	3	
Hulls	SEED COAT							
Gold	Brown	R-1				14		
		5171						
		5172				1	16	

This type failed
to germinate well
owing to poor seed
development in
this combination

14 seeds almost normal Br.

6330

C.I. 5810 x Blackhull Red.

Hulls	SEED COAT	Black				Black/gold			
		R	a	R	a	R	a	R	a
Gold Brown	R-1	5173						19	
		5174						13	
C.I. 5810, Parent		5175							
Blackhull Red Parent		5176							
C.I. 3025, Parent		5177							
C.I. 4011, Parent		5178							

In this cross, the hull color classes appear to be

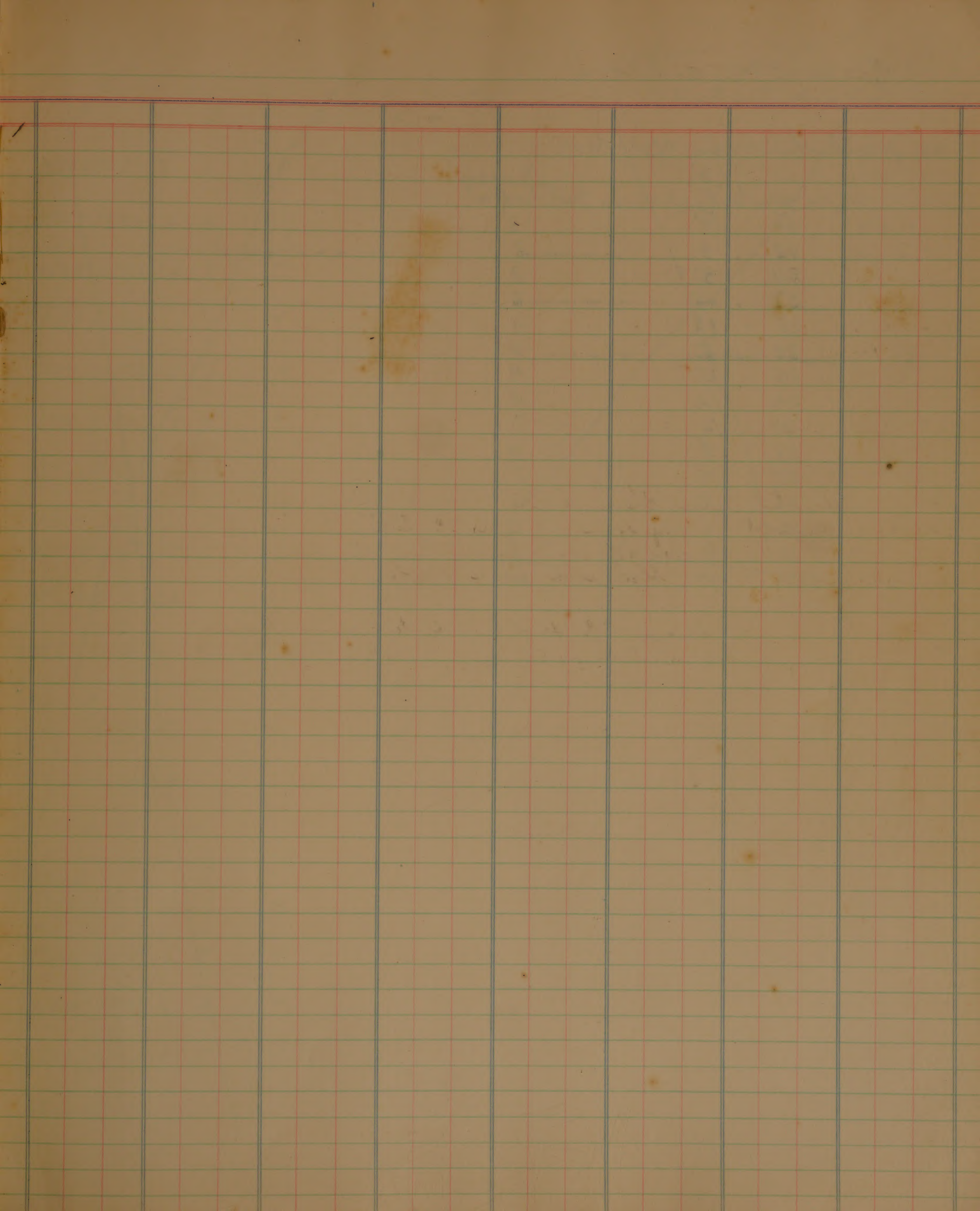
Black over Rn Gold: } very difficult to separate between two but enough lines
 show difference to indicate that the two classes exist.

Black over gold: } all black show some gold color.

Light Rn Gold: } can be separated fairly easily but have trouble
 keeping dark Rn & out of Gold class.

Dark Rn Gold: }

Gold:



72 of C.I. 4700 x Revoro

no plants headed on 9/21/38

on Sept 1	a no plants	B headed 9/21/38	C (included in B) Just heading
	39	7	3
	41	9	3
	34	6	3
	37	13	6
	35	13	4
	30	8	4
	35	11	4
	32	12	3
	40	16	7
	37	8	4
	37	10	1
	36	10	3
	32	6	0
	36	11	5
	501	140	60

Row 5

48 hr $\frac{1}{2}$ Ht
2nd growth

72 hr $\frac{1}{2}$ Ht 3 1
2nd growth

96 hr $\frac{1}{2}$ Ht 16 12
1st growth

3 1/2 hr NT 20 7
1st growth

27 1/2 hr $\frac{1}{2}$ Ht 1
1st growth

In jars:

(Blue x EP) x (Caloro x Calady) 3 jars 17 seeds

(Del x Rex) x (Calady x BK) 1 jar 5 seeds

Plants from field Put in flats Nov. 18

Row 1 starting south east corner.

3715 A39

3715 A40

5216-14

8

3715A 39

2

4

5

6

8

9

11

12

14

15

16

19

20

21

22

24

Row 2 So to North

5216-19

- 3

- 2

- 25

- 21

- 17

- 4

- 1

3718A 1

3716A 1

3712A 1

3711A 2

3710A 1

379A 1

377A 1

376A 2

3715A 36

35

33

32

Row 2 So to north

3715 A 31

30

29

28

26

Row 4 mid - to north.

F₁ Fat x BK

F₁ Lib x Ry

Calady x BK

Shoe x E. P.

Calom x Calady

Calom x BK

Next treatment (Original plants)

33 hrs.

48 hrs.

57 1/2 hrs

72 hrs.

Row 3 to north

5216-20

21

5216-?

4585

2110

2621

4061

4061

4061

3625 matt cr

3625 matt cr

Edith Hapland

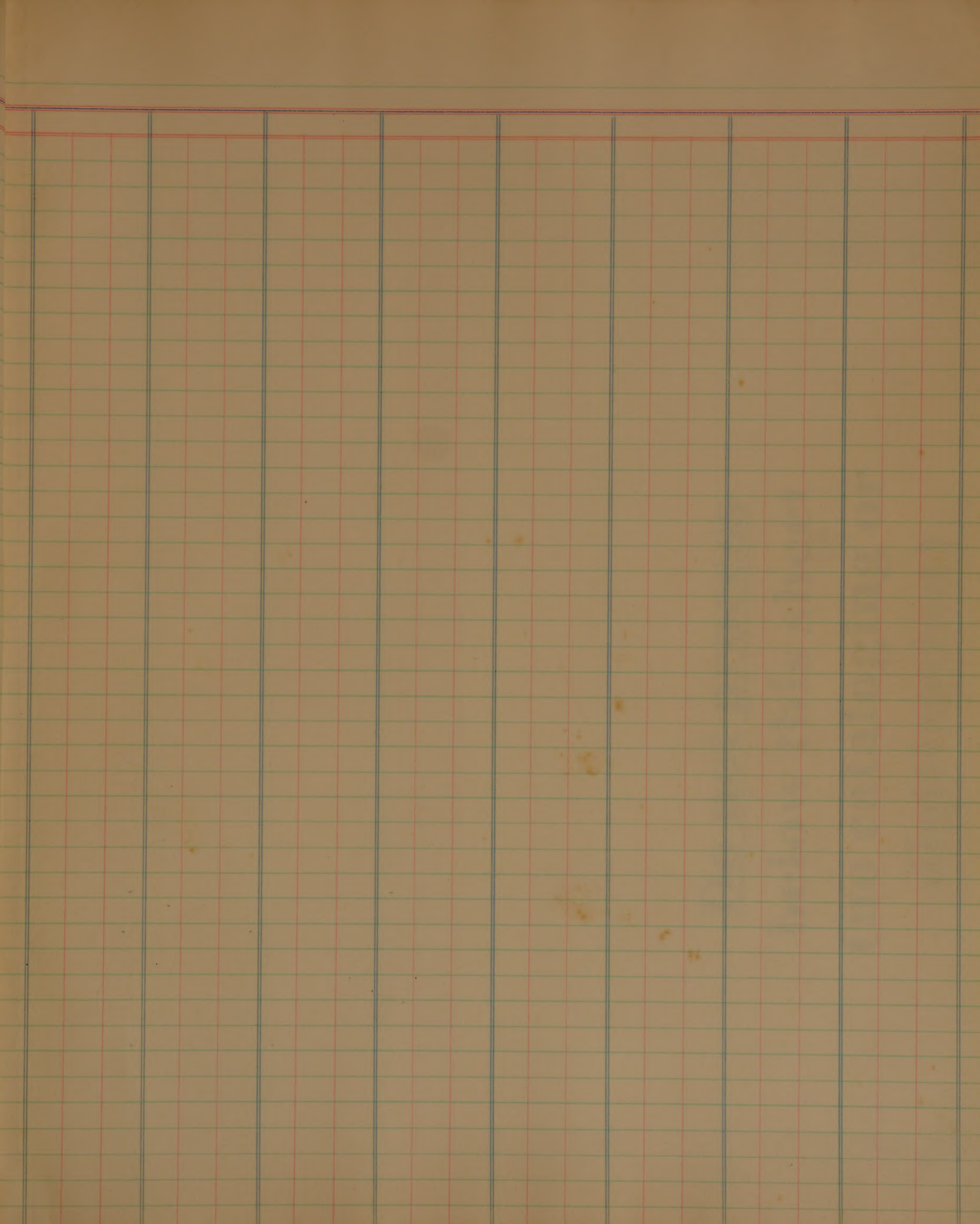
3033 Hapl

3033 "

3033 "

4142 Hapl

4142 "



Red. spec. 7

Purple leaf 5

rubro stigma 23

Purple stem 123

Република 89

Purple leaf 57

green leaf 32

Red apic 33

Green leaf 10

Green apic 1

Purple leaf 0

Queen leaf 1

White stegina 83

Purple apic 5

Purple leaf	3
-------------	---

green leaf 2

Green apiculi 52

Stegan-82 pr - 59 ml. (3-1)

4085 str
4088 8 furs

5109
30

53

72

pr + Red from BR

4089 mp

4090 p

4092 p + mp

4157 str

4173 ~~pr~~ link

4191 gf

4204 mr

4225 str

4278 l gf

4009 - pr

4010 pr

4016 mp

4025

4054

4063

4068

4072

4070

4078

4081

from samples

4287 B d gold f

4310 d gold

4311 l g

4320

4330

A

B gold f

g with reddish pr in young shoots

To harvest: 3212 x 5309 (all) hr
5398 x 4504 (glut) 32 rows
5398 x 3212 (glut) 27 rows

5398 x 1645 (com)(seq) shortage of glut 92

5309 x Blue Rose (all) hr

3025 x 4011 hr

151 to hr

5309 ✓

4504 ✓

5398 ✓

3212 ✓

1962 ✓

Bl. Red ✓

5810 ✓

1645 ✓

40
18
3 50
4 00
7 00
3
21 00

3025

4011

misc readings



"The Right Books to Write In"
Figuring Book No. 720

Made in the following Rulings

NUMBER 150 Pages	NUMBER 300 Pages	RULING
720-BQ	720-DQ	Quadrille, $\frac{1}{4}$ inch
720-BF	720-DF	Faint
720-B2	720-D2	2 Columns to Right
720-B3	720-D3	3 Columns to Right
720-B4	720-D4	4 Columns to Right
720-B5	720-D5	5 Columns to Right
720-B6	720-D6	6 Columns to Right
720-B7	720-D7	7 Columns to Right
720-B8	720-D8	8 Columns to Right
720-B12	720-D12	†12 Columns to Right
720-B14	720-D14	†14 Columns to Right
720-B16	720-D16	†16 Columns to Right
720-B18	720-D18	†18 Columns to Right

The above are ruled without Units and not paged

†Double Page Form

To Duplicate This Book:

Order No. 720-B16

From Your Stationer

MADE IN U. S. A.

Possible tetraploids -

potted - 2110 - 1st plant. -

potted 3621 - 5th plant

- 1 plant in coleman calico. Nov 2/2/38
potted - 2 plant in 7/35/2A x BR, plant no.

Possible haploids:

No seed disc 256 - 1 shoot on 7th plant
after seeds are being lost.
discarded guard to right of 2584 - shoot shoot, end plant
potted 3033 - last plant in row on 11/2/38
potted 5215 - grassy plants (20 normal: 7 grassy)

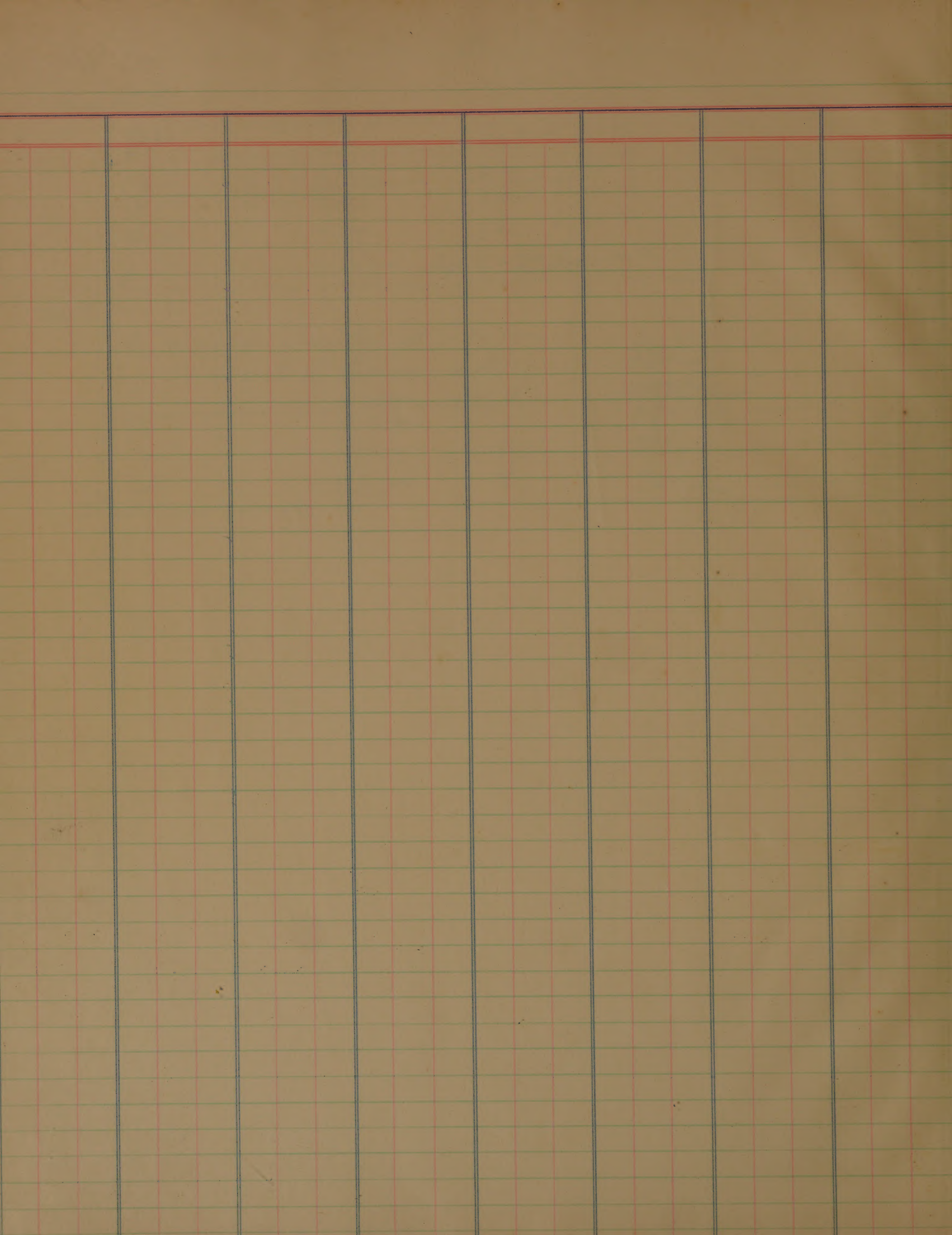
88 in pure seed nursery
(2911AIP-1-1)

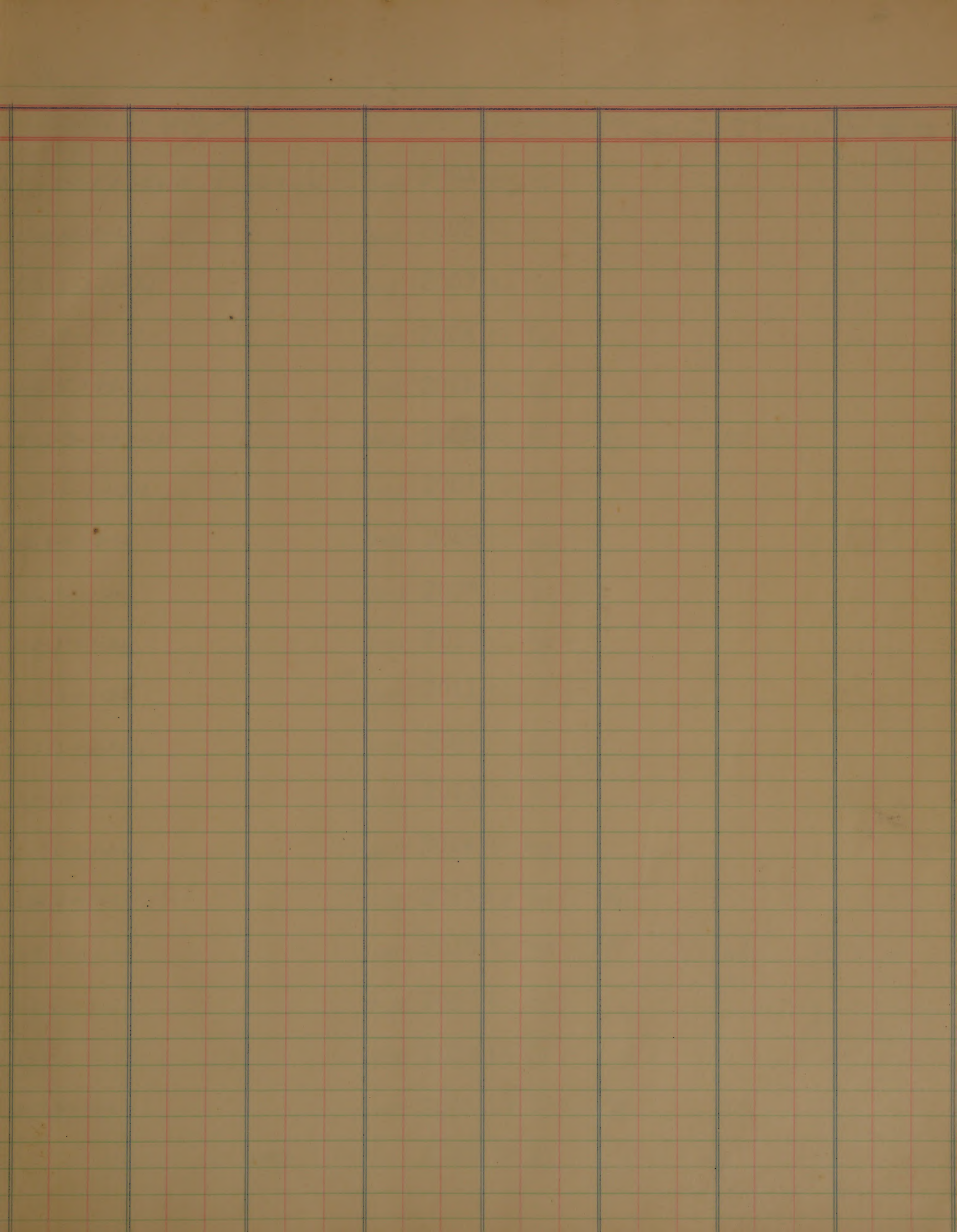
send from ^{shoot of} tetraploids ^{from 4900 +} grassy plant
^{Dark Hybrid}

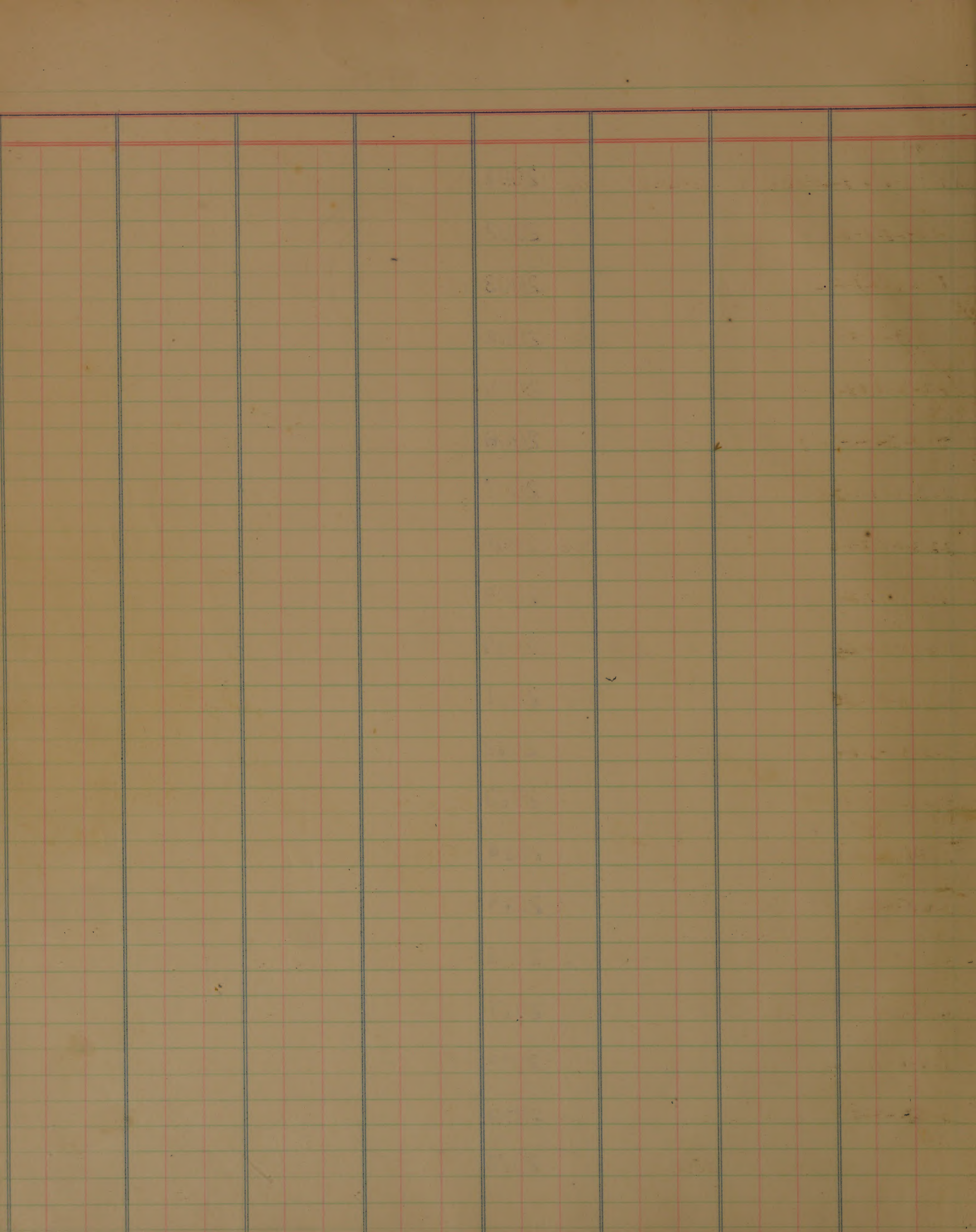
✓ 2848 for odd nursery No.

✓ 3/41 - make some very late sels.

3033
3141
3621







			1957	1958	DATES			PLANT LODG.		SHAT-	DISEASES			
					HEADING	1ST FULL	RIPENING	HARV-ESTED	HT. (IN.)	ING %	TERING H.O.	Cerco-spora	White Tip	Enty-loma
283A	1-1-2-1-1-1-1-1	Edith x Fortuna	2002	2001	8/8	8/16							+	ph. d. d. d.
	1-4-1-1-1-1-1		2003	2002	8/5	8/16							+	
	1-3-5-1-1-1-1-1		2011	2003	8/10	8/19							+	
	1-3-9-1-1-1-1-1		2013	2004	8/11	8/20							Tr	
	1-4-5-1-1-1-1-1		2016	2005	8/13	8/21								
	2-2-3-1-1-2-1-1		2023	2006	8/2	8/11	9/1			cut				
	2-2-3-1-1-2-2		2023	2007	8/10	reg								
	2-2-3-1-1-2-3		2023	2008	8/10	reg						20		
	2-2-3-1-1-2-4		2023	2009	8/10	reg								
	2-2-3-1-1-2-5		2023	2010	8/20	8/28								
	2-2-3-1-1-2-6		2023	2011	8/11	reg								
	2-2-3-1-2-1-1-1		2024	2012	8/12	8/21	Heavy row.						+	++
	2-7-4-1-1-1-1-1		2034	2013	8/12	8/21								
	2-7-6-1-1-1-1-1		2035	2014	8/21	8/31								
	3-4-5-1-1-1-1-1		2045	2015	8/15	8/24	9/9							
	3-5-1-1-1-1-1-1		2046	2016	8/15	8/23	9/9			cut		-	o	o
	3-5-5-1-1-1-2-1		2048	2017	8/12	8/21								
	3-7-1-1-1-1-1-1		2049	2018	8/13	8/21								
	3-7-8-1-1-1-1-1		2052	2019	8/15	8/22	9/8			cut				
		Edith		2020	9/12	8/17								

					DATES		PLANT LODG.	H.T. (IN.)	ING *	SHAFT TERMINO	DISEASES			
					HEADING 1ST FULL	RIPENING 1ST FULL					H.O.	COCK ROCK	WATER DISEASE	Other DISEASE
283A	4-1-1-1-1-1-1	Edith X Fortuna	2054	2021	8/12	8/17								
	4-3-4-1-1-1-1		2065	2022	8/16	8/23					+	0	0	
	4-4-6-1-1-1-1		2067	2023	8/14	8/22					+	seg	seg	
292A	1-1-1-1-1-1	Colusa X Edith	2077	2024	8/12	8/23								
														same panicle
298A	8-2-1-1-2-1	Colusa X Honduras	2095	2025	8/5	8/15								
298A	10-2-1-1-1-1	Colusa X Honduras	2815	2026	8/22	8/31					+	tr	tr	
299A	3-1-1-1-1-1	Caloro X Honduras	2102	2027	8/9	8/16								
	13-1-1-1-1-1		2109	2028	8/2	seg								hearer
	13-1-1-1-1-2-1		2110	2029	8/13	8/21								
	17-1-1-1-1-1		2111	2030	8/7	8/15								very good row. seg grain type. same panicle
283A	6-7-2-1-1-1-1	Edith X Fortuna	2059	2031		8/29								
291A	19-5-1-1-1-1-1	Caloro X Blue Rose	2159	2032	8/7	8/15								
														cut one flower
291A	19-5-1-1-1-2-1	Caloro X Blue Rose	2161	2033	8/7	8/15								
	19-8-1-1-1-1-1		2163	2034	8/12	8/19								
36-3	1-1-1-1-1-1		2169	2035	8/11	8/20								cut
														Heavy row.
36-7	1-1-1-1-2-1		2171	2036	8/1	seg								
291A	16-4-1-2-1-2-1	Edith X Blue Rose	2177	2037	8/9	8/15								
291A	17-5-1-1-2-1	Edith X Blue Rose	2181	2038	8/9	8/15								++ ++
	25-1-1-1-1-1-1		2183	2039	8/5	seg								
		Lady Wright		2040	8/4	8/10								

				DATES		PLANT LODG.		DISEASES					
				HEADING	RIPENING		HT.	ING	SHATT				
				1ST FULL	1ST FULL	HARV-ESTED	(IN.)	%	TERING	H.O.	Cercospora	White tip	Enty-loma
												phloem	
2916A	25-1-1-1-2-1-1	Edith X Blue Rose	2184	2041	8/10	8/17					20	+	+
2917A	28-1-2-2-1-1	Blue Rose X Gold	2201	2042	8/9	8/17					seg grain length		
29	2-1-1-1-1		2203	2043	8/7	8/16					Ho several panicles		
2918A	6-3-1-1-1-1	Blue Rose X Delros	2209	2044	8/15	8/24					0 to		
	17-4-1-1-1-1		2217	2045	8/11	8/21					0 to		
	18-3-1-1-1-1		2218	2046	8/6	8/15							
2919A	8-3-1-1-1-1	Honduras X Blue Rose	2229	2047	8/10	8/17					make + several		
	11-2-1-1-1-1		2230	2048	8/7	8/14							
	11-2-1-1-2-1-1		2231	2049	8/9	8/16							
	16-3-1-1-1-1		2234	2050	8/8	8/15					sel for good grain type		
	22-1-1-1-1-1		2235	2051	8/13	8/21					sel for grain type		
	30-7-1-1-1-1		2243	2052	8/10	8/21					Disc		
	34-1-1-1-1-1		2244	2053	8/13	8/21					sel for grain type (several)		
2926A	3-4-1-1-1-1	Improved Blue Rose X Fortune	2245	2054	8/15	8/22							
	10-3-1-1-1-2-1		2247	2055	8/9	8/20							
	36-1-1-1-1-1		2258	2056	8/12	8/20							
314A	8-1-1-1-1-1	Storm Proof X Spain	2269	2057	8/15	8/22							
317A	13-1-1-1-1-1	Wanica X (T. Fortune Sc. #18)	2279	2058	8/15	8/30					seg seg		
317A	23-1-1-1-1-1	Wanica X (T. Fortune Sc. #18)	2281	2059	8/7	8/13					Cut	seg. seg.	
		Early Prolific		2060	8/8	8/15							

				D A T E		P L A N T L O D G		D I S E A S E S					
				H E A D I N G		R I P E N I N G		H T. (IN.)	I N G %	S P E C I A L T E R I N G	H. O.	G e r m - s p o r e s	E n t y - l o m a
				1 S T	F U L L	1 S T	F U L L						
31A	28-2-1-1-1	Wanica X (T. Fortuna Sc/ #18)	2282	2061	8/21	1						seq.	seq.
	51-1-1-1-1		2285	2062	8/21					Cut		0	tr.
	51-1-1-2-1		2289	2063	Seq							0	0
	83-1-1-1-1		2291	2064	8/28 disc					flat grain		+	+
32A	2-2-1-1-1	Rexoro X Delitus	2306	2065	8/22					Disc		0	0
	2-2-2-1-1		2307	2066	8/22 8/31					Disc			
	2-3-1-1-1		2308	2067	Seq					sel, good type			
	2-3-1-1-2		2308	2068						sel, good type		0	tr.
	2-5-2-1-1		2314	2069	seq					disc		0	+
	2-5-3-1-1		2315	2070	8/21					sel for early	seq	seq.	
	2-6-3-1-1		2319	2071	8/30					disc		0	0
32A	2-7-1-1-1	Rexoro X Delitus	2321	2072	8/30					disc		0	0
32A	2-7-1-2	Rexoro X Delitus	2321	2073	8/22 8/31					sel. Flavored			
	2-8-2-1-1		2325	2074	9/1					sel.			
	2-8-3-1-2		2328	2075	9/1					sel.			
	2-9-2-1-1		2330	2076	9/1					sel.			
	2-9-2-2-1		2331	2077	9/1					disc			
32A	2-6-1-1-1	Naglampas X Blue Rose	2412	2078	8/20					disc		+	
	2-6-1-2		2412	2079	8/14					disc		+	
		Colusa		2080	9/11								

to 2099 on
9/19/38

					DATES		PLANT LODG.		SHATT- TERING	DISEASES		
					HEADING	RIPENING	HT.	ING		H.O.	Cerco- spora	White Tip
					1ST FULL	1ST FULL	(IN.)	%				Enty- loma
3												
329A	2-6-1-2-1	Naglampas X Blue Rose	2418	2081	8/14					sel for good grain type 1 pan		
	2-6-1-2-2		2418	2082	8/14	seg					+	+
	2-6-1-2-3		2418	2083	8/14						+	+
	2-6-1-2-4		2418	2084	8/19					seg. seg		
329A	4-8-1-1-1	Naglampas X Blue Rose	2426	2085	8/22					make several sets	0	0
328A	1-3-1-1-1	Early Prolific X Fortuna	2436	2086	8/22					disc	tr. 0	tr.
	1-5-2-1-1		2438	2087	8/13					disc	0	0
	7-8-2-1-1		2447	2088	8/16					sel for good grain, 1 pan		
	1-10-1-1-1		2452	2089	8/14					disc	0	0
333A	7-6-1-1	C.I. 7482 X Fortuna	2461	2090	8/30					select	0	0
333A	7-6-1-2	C.I. 7482 X Fortuna	2461	2091	8/23					select	0	0
333A	7-6-1-3	C.I. 7482 X Fortuna	2461	2092	8/19					select	0	0
333A	7-6-1-4	C.I. 7482 X Fortuna	2461	2093	8/19					select	0	0
	7-13-1-1		2463	2094						disc	0	0
	7-13-1-2		2463	2095	8/30					disc	0	0
337A	7-3-2-1	C.I. 7482 X C.I. 5094	2467	2096	8/15					disc, make side 0		
	7-3-2-2		2467	2097	8/17						0	0
3310A	1-24-1-1	C.I. 7689 X Edith	2490	2098	8/14	seg						
	1-24-2											
	1-24-2-1		2491	2099	8/31					seg. seg		
		Honduras		2100	8/17	9/1						

				DATES		PLANT LODG.		STAYING		DISEASES		
				HEADING	RIPENING	HT.	ING	TEAR	H.O.	Cerco-	Phys.	Enty-
				1ST FULL	1ST FULL	(IN.)	%			spora	Disca	loma
33BA1-20-3-1	Pexoro X C.I. 7689	2517	2101	8/18		Cut				0	0	
33BA1-34-1-1	Pexoro X C.I. 7689	2520	2102	7/30	Seg					0	tr.	
33BA1-34-1-2	Pexoro X C.I. 7689	2521	2103	8/6	Seg					0	0	
3317A 9-6-1-1	C.I. 7689 X C.I. 5094	2531	2104	8/21		disc				0	0	
3317A 9-6-2	C.I. 7689 X C.I. 5094	2531	2105	8/28						0	0	
33BA2-5-2-1	7689 X Fortuna	2551	2106	8/18						0	tr.	
3-6-1-1		2555	2107	8/13	Seg					0	tr.	
4-1-1-1		2558	2108		Seg					0	0	
8-3-1-1		2563	2109	8/29				disc				
8-5-1-1		2565	2110		Seg					0	tr.	
3513A-8-1	2916A7-3-2X Sup. Blue Rose	2941	2111	8/17						0	0	
3513A-22-1		2955	2112	8/14								
3516A-2-1	2916A10-4-2X Sup. Blue Rose	2965	2113	8/13						0	+	
3516A-36-42-1	2916A10-4-2X Sup. Blue Rose	3007	2114	8/12	Seg					0	Seg	
3615-24-1	Long-Grain X Short-Grain Bulk	3079	2115	8/17				Septoria sp.	SEG. +			
S-15-1-1-2-1	Blue Rose <i>sel B371</i>	3111	2116	8/14		Cut				+	+	
S-15-1-1-3-1	<i>sel B372</i>	3112	2117	8/13		Cut				+	+	
S-15-1-1-4-1	<i>sel B373</i>	3113	2118	8/13		Cut				+	+	
S-15-1-1-4-2-1	<i>sel B374</i>	3114	2119	8/16		Cut - GOOD				+	+	
	Shoemed		2120	8/23								

		DATES			PLANT LODG.		DISEASES				
		HEADING	RIPENING		HT.	ING	SHAT	H.O.	Cerco-	White	Enty-
		1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING		spora	Tip	loma
S-15-1-4-3-1	Blue Rose ^{sel.} B375	3115	2121	8/14			Cut		+	+	
S-15-1-4-4-1	^{sel.} B376	3116	2122	8/14			Cut		+	+	
S-15-1-4-5-1	^{sel.} B377	3117	2123	8/14			Cut		+	+	
	241A(pl) 31-2 sel	3119	2124	8/16							
^{sel.} B378	Latex from pure seed block	3124	2125	8/14 8/22			select				
	Fortuna X Red	3171	2126	8/4 seg			select		0	0	
	Imp. Blue Rose X Fortuna	3187	2127	8/20					0	+	
	Latex, Sel.	3193	2128						seg. seg.		
36LM-12	Long X Medium	3209	2129	seg			make select		+	+	
36LS	36 Long X Short	3222	2130	8/13							
	From Blue Rose, Imp. sup. C.I. 1160 Bruin missie or Tinuco.	3302	2131	seg					tr.	+	
	From sup. Blue Rose, Cerc. R.	3352	2132	seg							
	From Early prolific	3353	2133	8/15			make general sel.				
	From Edith	3354	2134	8/15			appears to be disease resistant				
	do	3357	2135	8/17 seg			selected - 1 from similar to Thompson		o-tr. tr.		
	From Lady Wright	3358	2136	8/13							
299A	Rogue Ca X H	3422	2137	seg			disc		seg. seg		
	Early Prolific Sel. From Smut Nursery		2138	8/19					seg.	+	
	Early Prolific Sel.		2139	8/13			looks good		+	+	
	Early Prolific Check		2140	8/14							

		D A T E S			PLANT LODG.		SHAT		DISEASES			plus died
		HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %	TERING	H.O.	Cerco- spora	White Tip	Enty- loma	
Early Prolific Sel	B3911 EP.	2141	8/19						0	tr	0	
EP. sel		2142	8/16				leg for creaming	0	tr	tr	0	
Sel B 379		2143	8/15				cut					
		2144	8/15				good					
Sel B 370	Off type Plant from Guininto	2145	8/16				cut	good, might	+	+	selections	
	Maybe Smith Zenith	2146	8/13					try alk. test on seeds				
	Lady Wright Sel. From DEVERS	2147	8/13						+	+		
		2148	8/14						+	+		
		2149	8/15						+	+		
		2150	8/14									
		2151	8/13				good now	Heavy row, make several selections				
		2152	8/13									
		2153	8/15									
		2154	8/14						++	select.		
		2155	8/16									
		2156	8/14						+	+		
		2157	8/15									
		2158	8/15									
	Gray hotted rogue from Cross D	2159	8/15									
	Made by J.W. Jones											
	Lady W/right	2160	8/15									

				DATES		PLANT LODG	SHAT-	DISEASES		
				HEADING	RIPENING	HT.	ING	TERING	H.O.	Cerco- White Enty-
				1ST FULL	1ST FULL	HARV- RSTED	(IN.)	%		spore Tip loma
Gray Hulled rogue from cross A Made by Mr Jones.				2161	8/5	✓				
5810 X 4011 sel. End of Early Groups				2162	8/4 Seq	✓				
291A	16-2-2-1-1-1-1	Mid-Season Group	2611	2163	8/23	✓				
292A	8-1-1-1-1	Colusa Edith	2614	2164	8/30	✓				mt. Bely
295A	5-3-2-1-1-1-1	Edith X Kameji	2079	2165	8/30	✓				heads
295A	13-3-1-1-1-1	Edith X Kameji	2621	2166	8/28	✓	mt. B	very good	seq	low
295A	13-3-2-3-2-1-1	Edith X Kameji	2084	2167	8/4 Seq				1- pan	
	18-2-1-1-1-1-1		2623	2168	8/31					+ ✓
295A	18-4-1-1-2-2-1	Edith X Kameji	2088	2169	8/31					+ 7
	18-4-1-1-2-2-2		2088	2170	8/30					+ 7 1
297A	18-2-1-2-1-1-1	Colusa X Delitus	2090	2171	8/25		good			+ +
298A	10-2-1-1-1-1-1	Colusa X Honduras	2815	2172	8/27		good, taller than 2171	seq	seq	
299A	13-1-1-1-1-2-1	Caloro X Honduras	2110	2173	8/15 Seq	2-pan				
	13-1-1-1-1-2-2		2110	2174	8/30	2-pan				
299A	17-2-1-1-1-1-1	Caloro X Honduras	2632	2175	8/26	✓				
2911A	5-1-1-1-1-1-1	Kameji X Honduras	2119	2176	8/4 Seq	1-pan				
	5-1-1-1-1-1-2		2119	2177	8/6 Seq	3-pan				
	5-1-1-1-1-1-3		2119	2178	8/7 Seq	2-pan				
2911A	10-2-1-1-1-1-2	Kameji X Honduras Cerc. Resistant rogue	2903	2179	Seq	✓				
	Fortuna Check c			2180	9/1	✓				

				DATES		PLANT LODG.		DISEASES					
				HEADING	RIPENING	HARVESTED	HT.	ING	TERING	H.O.	Cercospora	White Tip	Enty-loma
				1ST FULL	1ST FULL		(IN.)	%					
2911A	10-8-1-4-1-1-1	Kameji X Honduras	2122	2181	9/1	✓							
	41-2-1-1-1-1		2125	2182	9/26	1-pan							
	41-2-1-1-1-2		2126	2183	9/1	✓							
2912A	0-1-1-1-1-1-1	Kameji X Blue Rose	2133	2184	8/29	1-pan							
2912A	2-1-1-1-1-1-1	Kameji X Blue Rose	2651	2185	8/23	✓							
	12-1-1-2-1-1-1		2652	2186	8/27	✓							
	37-1-1-1-1-1-1		2659	2187	8/22	2-pan							
2912A	38-5-1-2-1-1-1	Kameji X Blue Rose	2661	2188		✓							
	47-1-1-1-1-1-1		2136	2189		✓							
2913A	9-1-1-1-1-1-1	Colosa X Blue Rose ^{ident}	2143	2190	8/31	(Kameji X BR)							
2913A	24-4-1-1-1-1-1	Colosa X Blue Rose	2668	2191	8/21	(Heavy row) K & BR							
	32-1-1-1-1-1-1		2672	2192	8/22	✓							
2914A	4-1-1-1-2-1-1	Caloro X Blue Rose	2152	2193	8/10	Seg							
	19-2-1-1-1-1-1	ident.	2157	2194	8/10	Seg							
	19-3-1-1-1-1-1	identified	2158	2195	8/14	Very good							
	37-1-1-1-1-1-1		2172	2196	8/7	Seg							
2920A	9-1-2-1-1-1-1	Improved Blue Rose X Fortuna	2246	2197	8/30	✓							
	9-1-2-1-1-2		2246	2198	8/30	2-pan							
	9-1-2-1-1-3		2246	2199	8/30	2-pan							
		Shoemed check		2200	8/29	✓							

					DATES		PLANT LOG	HT. (IN.)	ING %	CHAR- ACTERING	DISEASES			
					HEADING 1ST FULL	RIPENING 1ST FULL					H.O.	Cerco- spora	White Tip	Enty- loma
312A	9-1-2-1-1-1-1-1	Improve Blue Rose X Fortune	2246	2201		8/31								
	9-6-1-1-1-1-1		2247	2202		8/31								
	9-6-1-1-1-2-1		2247	2203		9/1								
312A	8-1-1-2-2-1	T. Fortune X Early Prolific	2263	2204	8/4	Seg	2 pan							
313A	5-1-1-1-1-1	Storm Proof X T. Fortune	2267	2205		9/1	✓							
317A	39-1-1-1-1-1	Wanica X (T Fortune Sel. #1)	2283	2206	8/10	Seg	✓							
	51-1-1-1-1-1		2285	2207	8/31		✓							
	51-1-1-1-2-1		2286	2208	7/4		✓							
321A	1-3-1-1-2-1	Pexoro X Delitus	2296	2209		Seg	✓							
	1-7-1-1-1-1		2298	2210		9/1								
	1-9-1-1-1-1		2299	2211		8/30	✓							
321A	1-13-1-1-1-1	Pexoro X Delitus	2302	2212		9/1	✓							
	1-13-1-1-2		2302	2213		9/1	✓							
	2-3-2-1-2-1		2311	2214		Seg	✓							
	2-3-2-1-2-2		2311	2215		Seg	2-pan							
	321A 2-7-1-1-1-1	Rogue	2321	2216		Seg	✓							
322A	2-2-2-1-1-1	Pexoro X T. Fortune	2705	2217		9/1	2-pan							
322A	2-3-2-1-1-1		2334	2218		8/31								
322A	2-5-2-1-1-1	Pexoro X T. Fortune	2708	2219		9/1	✓							
	Caloro			2220		8/15								

				D A T E S		P L A N T L O D G.		D I S E A S E S		
				HEADING	RIPENING	HT.	ING	SHATT	H.O.	Cercospora
				1ST FULL	1ST FULL	(IN.)	%	TERING		
2221	2-6-3-1-1-1	2335	2221	Seg	2-pan					
	2-6-3-4-2	2335	2222	9/1	✓				25	
	2-7-2-1-1-1	2336	2223	8/31	✓					
	2-10-3-1-2-1	2873	2224	Seg	✓					
	3-3-1-1-1-1	2724	2225	8/31				art		
	3-5-2-1-1-1	2727	2226	8/31	1-pan				sel for purple top hulls	
	3-9-1-1-1-1	2339	2227	8/23	1-pan				makes small seed without awns	
									very good row.	
323A	4-2-31-H Rexoro X T. Fortuna	2341	2228	8/28	✓					
323A	1-2-3-1-1-1 Rexoro X Sup. Blue Rose	2345	2229	8/15	✓					
	1-2-3-4-2	2345	2230	8/15	✓					
	1-2-3-1-2-1	2346	2231	8/10	Seg	1-pan		disc	seg	
	1-2-3-1-3-1	2347	2232	8/20	✓					
	1-2-4-1-1-1	2348	2233	8/21	1-pan					
	1-2-4-1-2	2349	2234	Seg	✓					
	1-2-4-1-3	2349	2235	Seg	1-pan					
	1-2-4-1-4	2349	2236	Seg	✓					
	1-10-1-1-4-1	2363	2237	8/9	Seg	1-pan				
	2-7-1-1-1-1	2371	2238	8/1	✓					
	2-11-1-1-1-1	2375	2239	8/10	Seg	✓				
	Nira		2240							

DATE

Kameji

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				DATES		PLANT LODG.		DISEASES			
				HEADING	RIPENING		HT.	ING	SHAT- TERING		
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%		H.O.	
										Cerco- spora	
										White Tip	
										Enty- loma	
327A	2-11-1-1	Pexoro X C.I. 6018	2410	2261	Seg	1-Dis				15	
326A	1-10-6	1-1 Pexoro X C.I. 5947	2432	2262	Seg	2-pan					
	1-10-6	1-2	2432	2263	8/29	✓					
	1-10-6	1-3	2432	2264	8/30	4-pan					
328A	1-6-1-1	Early Prolific X T. Fortuna	2439	2265	8/29	✓	tall				
328A	1-6-2-1	Early Prolific X T. Fortuna	2441	2266	8/29	✓	tall				
328A	1-6-2-2	Early Prolific X T. Fortuna	2441	2267	8/29	✓	tall				
	1-6-2-2	1-1	2442	2268	8/29	✓	tall				
	1-6-2-2	2-2	2442	2269	8/30	✓	tall				
	1-6-2-2	3-3	2442	2270	8/31	✓	tall	1-E		-	-
	1-7-1-1	1-1	2444	2271	8/30						
	1-7-3-1	1-1	2445	2272	8/31			1-E		-	-
	1-7-3-2	1-2	2445	2273	8/30			2-E		-	-
	1-7-3-3	1-3	2445	2274	9/1					-	-
	1-7-3-4	1-4	2445	2275	8/31					-	-
	1-8-1-1	1-1	2446	2276	8/31						
	1-8-2-1	1-1	2447	2277	8/5 Seg			1-E		+ to + to	
	1-8-4-1	1-1	2448	2278	9/1						
	1-8-4-2	1-2	2448	2279	9/2						
		delitos		2280	8/29						

phytochemical

					DATES		PLANT LODG.		SHATT- TERING	DISEASES			
					HEADING	RIPENING	HT.	ING		H.O.	Cerco- spora	White Blp	Enty- loma
					1ST FULL	1ST FULL	(IN.)	%	HARV- ESTED				
328A	1-8-4-1-3	Early Prolific	X T. Fortuna	2448	2281	9/2		✓					
2912A	1-3-1-1-1-1	Kameji	X Blue Rose	2649	2282	9/29		✓					
328A	1-8-6-1-1	Early Prolific	X T. Fortuna	2450	2283	9/1		✓					
	1-8-6-1-2			2450	2284	8/30		✓					
	1-9-1-1-1			2451	2285	9/1	1-E				-	-	
	1-9-1-1-2			2451	2286	9/6	1-E				-	-	
	2-7-1-1-1			2453	2287	9/1	3-E				-	-	
332A	3-1-1-1	Rexoro	X C.I. 7.4.8.2.	2454	2288	Seg		✓					
332A	3-1-1-2	Rexoro	X C.I. 7.4.8.2.	2454	2289	9/10		✓					
332A	3-1-1-3	Rexoro	X C.I. 7.4.8.2.	2454	2290	Seg		✓					
333A	7-3-1-1	C.I. 7482	X Fortuna	2459	2231	Seg	1-pan						
	7-3-1-2			2459	2232	8/10 Seg	1-pan						
	7-3-1-3			2459	2233	Seg	2-pan						
333A	7-10-1-1	C.I. 7482	X Fortuna	2462	2234	9/2		✓					
	7-10-1-2			2462	2235	Seg		✓					
	7-13-1-1			2463	2236	Seg							
337A	7-3-1-1	C.I. 7482	X C.I. 5094	2466	2237	Seg		✓					
	7-3-1-2			2466	2238	Seg	1-E				0	0	
	7-3-1-3			2466	2239	Seg	1-E				0	0	
		Blue Rose			2300	9/2		✓					

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		DATES		PLANT	LODG.	DISEASES		
		BLADING	RIPENING		HT.	ING	SHAN	
		1ST FULL	1ST FULL	HARV.	(IN.)	%	TERING	H.O.
				TESTED	Cercospora Enty-loma			
337A7-3-21	7482 x 5094	2467	2301	9/1	6-M			0 0
7-3-2-2		2467	2302	8/5 Seg	1-M			0 0
7-3-2-3		2467	2303	8/6 Seg	4-M			0 0
7-3-2-4		2467	2304	8/31	1-pan			0 0
7-3-2-5		2467	2305	Seg	3-pan			0 0
338A4-6-1-1	7482 x 7482	2473	2306	8/29	✓			0 0
4-6-1-2		2473	2307	Seg	1-M			0 0
4-6-1-3		2473	2308	Seg				0 0
331DA1-1-4-1-1	7689 x Edith	2484	2309		disc			
1-14-1-2		2484	2310		disc			
1-14-1-3		2484	2311	Seg	disc			
1-14-1-4		2484	2312		disc			
1-16-1-1		2486	2313	8/10 Seg	2-M			0 0
1-18-1-1		2487	2314	disc	1-M			0 0
1-19-1-1		2488	2315		2-M			0 0
1-19-1-2		2488	2316	Seg	2-M			0 0
1-25-1-1		2492	2317	Seg	disc			
3311A 4-3-1-1	G.I 7689 x stormproof	2497	2318	9/1	disc			
3313A 1-2-2	Rexoro x CI 7689	2497	2319	9/1	1-M			
	Rexoro		2320					

shipped discal

				DATES		PLANT LODG.		DISEASES				
				HEADING	RIPENING	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cercos- spora	White Tip	Enty- loma
				1ST FULL	1ST FULL							
3313A	1-2-2-2	Rexoro X C.I.	7689	2499	2321	9/1	1-M			0	0	
	1-2-2-4											
	1-2-2-3			2499	2322	Aug	1-M			0	0	
	1-2-2-4			2499	2323	8/30	2-M		relatively uniform			
	1-3-1-1			2501	2324	Aug	1-M			0	0	
	1-4-1-1			2502	2325	Aug	2-M			0	0	
	1-4-1-2			2502	2326	Aug	2-M			0	0	
	1-4-1-3			2502	2327		1-M			0	0	
	1-12-1											
	1-12-1-1			2506	2328	Aug	disc					
	1-12-2-1			2507	2329	Aug	1-disc		Keep short, put add on tag			
	1-12-2-3			2507	2330	Aug	disc					
	1-13-1-Rogue			2508	2331	9/2	✓ very uniform, BK type	poor grain		+	+	
	1-13-1-2			2508	2332	Aug	disc					
	1-13-1-3			2508	2333	9/1	disc					
	1-16-1-1			2510	2334	8/29	1-M					
	1-16-1-2			2510	2335	9/30	4-M uniform type					
	1-16-2-1			2511	2336	9/1	disc					
	1-20-1-1			2515	2337	9/28	1-for disease					
	1-20-1-2			2515	2338	Aug	1-for disease					
	1-20-2-1			2516	2339	Aug	disc					
					2340	9/28						
		Shoe med										

Shoe med

Phy. dual

				DATE'S		PLANT LODG	HT. (IN.)	ING %	SHAT- TERING	DISEASES		
				HEADING 1ST FULL	RIPENING 1ST FULL					H.O.	Cerco- spora	White Tip
3313A	1-20-3-1	Rexoro X C.I. 7689	2517	2341	leg	disc					good type	
	1-20-3-2		2517	2342	leg	2-M					good type	
3314A	1-6-1-1	C.I. 7689 X Colosa	2527	2343	8/13 leg	1-for disease					20-0-0	
	1-11-1-1		2529	2344	leg	disc						
	1-11-1-2		2529	2345	leg	disc						
3317A	11-1-1-1	C.I. 7689 X C.I. 5094	2535	2346	leg	disc						
	11-1-1-2		2535	2347	leg	disc						
	11-1-1-3		2535	2348	leg	disc						
	11-10-1-1		2539	2349	8/31	disc						
	11-10-1-2		2539	2350	8/30	1-M						
	11-10-1-3		2539	2351	leg	disc						
	11-10-1-4		2539	2352	8/30	disc						
	11-10-1-5		2539	2353	leg	disc						
	11-12-1-1		2541	2354	8/11 leg	1-M						
	11-12-1-2		2541	2355	8/11 leg	disc						
	11-12-2-1		2542	2356	8/31	disc						
3318A	1-2-1-1	C.I. 7689 X Fortuna	2544	2357	8/31	disc						
	1-2-1-2		2544	2358		1-M						
	1-5-1-1		2546	2359	9/1	disc						
		Fortuna		2360								

			D A T E S		P L A N T L O G G		D I S E A S E S				
			HEADING	RIPENING	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cercos- pora	White Tip	Enty- loma
			1ST FULL	1ST FULL							
3318A	151-2-1C.I. 7689	Fortuna	2546	2361	9/1	disc					
	2-3-1-1		2548	2362	Seg	disc					
	2-3-1-2		2548	2363	Seg	1-M					
	2-3-2-1		2549	2364	Seg	disc					
	2-5-2-1		2551	2365	8/10 Leaf	disc					
	2-5-2-2		2551	2366	8/30	1-M					
	2-6-1-1		2552	2367	9/30	disc					
	3-3-1-1		2554	2368	Disc too tall						
	3-3-1-2		2554	2369	Disc too tall						
	3-6-1-1		2555	2370	7/31 Seg	2-M					
	3-6-2-1		2556	2371	8/30	1- add					
	4-2-1-1		2559	2372	8/31	1-M					
	4-2-1-2		2559	2373	Seg	1-for disease		25			
	4-3-1-1		2561	2374	Seg	disc					
352A-2	-1	Kameji Rexoro	2905	2375	8/10	Seg	1-M				
	-2-2		2905	2376	8/12	Seg	1-M				
	-3-1		2906	2377	9/29	2-M good now					
	-4-1		2907	2378	8/12	Seg	1-M				
	-10-1		2913	2379	9/2	Seg	1-M				
		Early Prolific		2380	8/16						

Rolling leaf found from
mark add No 9/26

phys. dise

				D A T E S		PLANT LODG.		DISEASES				
				HEADING	RIPENING	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cercos- pora	White Tip	Enty- loma
				1ST FULL	1ST FULL							
3512A-5-1	314A8-3-3-14	Sup. Blue Rose	2919	2381	leg	disc				0	0	
-6-1			2921	2382	8/29	disc				0	0	
-12-1			2927	2383	8/21	2-M				0	0	
-12-2			2927	2384	8/29	1-M				0	0	
-13-1			2928	2385	8/22	disc				+	+	
-15-1			2930	2386	9/1	1-M				0	0	
-15-2			2930	2387	leg	disc				leg	leg	
-15-3-1			2930	2388	8/29	disc				+	+	
-16-1			2931	2389	8/30	disc						
-16-2			2931	2390	8/31	disc						
3513A-1-1	2916A7-3-2X	Sup. Blue Rose	2933	2391	leg	1-M						
-3-1			2935	2392	leg	1-M						
-5-1			2937	2393	leg	1-M						
-5-2			2937	2394	leg	disc						
-8-1			2941	2395	leg	disc						
-9-1			2942	2396	leg	disc						
-9-2			2942	2397	leg	disc						
-11-1			2944	2398	8/18 9/1 good	6-Pan for alk						
-11-2			2944	2399	leg	1-Pan for alk.						
		Shoemed		2400	8/28							

				DATES		PLANT LODG.		DISEASES					
				HEADING	RIPENING	HARV- ESTED	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cerro- spora	White Tip	Enty- loma
				1ST FULL	1ST FULL								
3513A-12-1	2916A7-3-2	X Sup. Blue Rose	2945	2401	8/31	leg							
-14-1			2947	2402	8/31	leg							
-15-1			2948	2403	9/1	leg							
-15-2			2948	2404	9/1	leg							
-21-1			2954	2405	9/1	leg							
-22-1			2955	2406	9/1	leg							
3516A-7-1	2916A10-4-2	X Sup. Blue Rose	2970	2407	8/22	leg							
-16-1			2973	2408	8/22	leg							
-10-2-1			2973	2409	8/22	leg							
-13-1			2976	2410	8/15 9/29	leg							
-14-1			2977	2411	8/15 9/28	leg							
-25-1			2989	2412	9/1	leg							
-26-1			2990	2413	9/1	leg							
-31-1	Rogue		2995	2414	9/1	leg							
-37-1			3002	2415	9/1	leg							
-38-1	Rogue		3003	2416	9/1	leg							
-41-1			3006	2417	9/1	leg							
36 MS-7-1	Medium	X Short Grain Bulk	3062	2418	9/28	leg							
-8-1			3063	2419	9/28	leg							
	Blue Rose			2420	9/1	leg							

				DATES		PLANT LOGS		DISEASES				
				HEADING	RIPENING	HT.	ING	SHAT-	H.O.	Cerco-	White	Enty-
				1ST FULL	1ST FULL	(IN.)	%	TERING		spora	Tip	loma
Off type panicle from Rexoro. Poss: bly F1				3143	2441	8/18						
do				3144	2442	8/18			1-pan medium: 1 late			
do				3144	2443	8/18			1-pan			
do				3145	2444	8/18			2-pan cut -			
241A (pl) 31-2 sel				3148	2445	8/21			✓			
do				3150	2446	8/21			✓			
Short X Medium				3165	2447	8/30			good 3-pan late			
36MS -12-1 Medium Grain X Short Grain Bulk				3067	2448	8/28			very good 3-lates			
Fortuna X Red				3168	2449	8/21			2-pan			
Fortuna X Red				3168	2450	8/21			disc good now			
do				3168	2451				2-p			
Rogue do				3169	2452				3-pan			
Fortuna X do				3169	2453	8/15			disc			
do				3169	2454	8/14			1-pan			
do				3171	2455	8/15			disc			
T. Fortuna sel				3173	2456	8/21			disc			
Imp. Blue Rose X Fortuna				3189	2457	8/17			2-pan for alk.			
Latex, sel				3191	2458	8/18			disc			
S-15-1-1-1-1 Blue Rose				3097	2459	8/13			4-pan for alkali			
Blue Rose					2460	9/1						

tel for Earlies to 2464 on 9/16

physical

		DATES		PLANT LODG.		DISEASES		
		HEADING	RIPE NING	HT.	ING	SHAT.	H.O.	Enty.
		1ST FULL	1ST FULL	(IN.)	%	TERING		loma
S-15-1-1-1-2	Blue Rose	3097	2461	8/14		4-pan for alkali	+	+
S-15-1-2-4		3098	2462	8/16		1-pan		
36 LM + 18-1	Long X Medium	3215	2463	8/28		disc		
45-1-1	Long X Short	3231	2464	8/28		5-pan very leafy but no drying Very good row		
Sels. from	B2916A 28-1-1-1. (1957 Var No. 36)		2465	8/19		-	+	+
			2466	8/19		-		
			2467	8/19		-		
			2468	8/19		-		
			2469	8/18		-		
			2470	8/18		-		
			2471	8/18		leafy disc ✓	avg	avg
			2472	8/18		-	+	+
	EXBR 113713		2473	8/18		Cut		
			2474	8/18		-		
			2475	8/18		-		
			2476	8/18		-		
			2477	8/18		-		
			2478	8/18		leafy disc		
			2479	8/18		-		
Early Prolific			2480	8/14		sl. earlier than preceding sets.		

physician

physician

phys. discol

				DATES		PLANT LODG.	HT. (IN.)	ING %	SHAT- TERING	DISEASES			
				HEADING 1ST FULL	RIPENING 1ST FULL					H.O.	Cercos- pora	White Tip	Enty- loma
291A	18-5-1-1-1	Edith X Caloro	2076	2501	8/30								
292A	12-5-1-1-1	Colusa X Edith	2615	2502	Aug very late 1-late					dis mure			
294A	9-2-1-1-1	Butte X Edith	2618	2503	8/30	1-for disease				Keep a hand	very badly blotched		
295A	10-1-1-1-1	Edith X Kameji	2809	2504	8/31	2-pan					o o		
	12-3-1-1-1		2810	2505	9/1	1-pan				Keep for	odd group.		
295A	13-3-1-1-1	Edith X Kameji	2621	2506	8/29	✓							
	13-3-2-1-1-1		2622	2507	9/8	✓							
295A	13-3-2-2-1-1	Edith X Kameji	2811	2508	9/10								
	13-3-2-3-1-1		2881	2509	9/17								
	20-1-3-1-1-1		2814	2510	9/1	2-pan				for disease mure.	o o		
297A	21-1-1-2-1-2	Colusa X Delitos	2626	2511	8/31	2-pan very good, uniform.					o tr		
298A	10-3-2-1-1-1	Colusa X Honduras	2627	2512	9/2	2-pan					o o		
	10-3-2-1-2-1		2628	2513	9/1	✓							
	15-2-1-2-1-1		2098	2514	Aug	✓							
298A	10-2-1-1-2-1	Colusa X Honduras	2816	2515	Aug	1-pan							
299A	7-3-1-2-1-1	Caloro X Honduras	2107	2516	9/19	✓							
299A	28-1-1-1-1	Caloro X Honduras	2821	2517	9/3	✓							
2910A	8-2-1-1-1-1	Delitos X Caloro	2114	2518	9/15	✓							
		Kameji X Honduras											
2911A	10-2-1-1-2-1	Cerc Resistant rogue	2923	2519	Aug 15	1-pan							
		Fortuna		2520	8/29								

				DATES		PLANT LODG.		DISEASES					
				HEADING	RIPENING		HT.	ING	SHATT- TERING	H.O.	Cocco- spora	White Tip	Enty- loma
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%					
Kameji X Honduras													
2911A	102-1-1-2-2	Co. res. Resistant Rogue	2903	2521	8/15			1-pan					
2911A	10-2-1-1-1-1	Kameji X Honduras	2121	2522	9/2			✓					
	26-1-2-1-1-1		2123	2523	8/15			1-pan					
	23-3-1-1-1-1		2634	2524	8/15			✓					
	40-3-2-1-1-1		2826	2525	8/15			1-pan					
2912A	3-3-1-2-1-1	Kameji X Blue Rose	2636	2526	8/15			✓					
	7-3-1-1-1-1		2638	2527	10/25			✓			rolled leaf		
	10-1-1-2-1-1		2648	2528	8/22			✓					
2913A	29-2-1-1-1-1	Colosa X Blue Rose	2669	2529	8/29			✓					
2914A	14-1-1-1-2-1	Caloro X Blue Rose	2151	2530	9/2			✓					
	14-1-1-2-2-1		2153	2531	8/15			2-pan, late					
	14-1-1-1-3-1		2154	2532	9/12			1-pan, late					
2918A	6-4-1-1-1-1	Blue Rose X Delitus	2210	2533	8/15								
	6-4-1-1-1-2		2210	2534	8/15								
	64-1-1-1-3		2210	2535	8/15								
	64-1-1-1-4		2210	2536	8/15								
	11-1-1-1-2-1		2214	2537	8/15								
	12-1-2-1-1		2216	2538	9/10								
	26-1-1-1-1		2830	2539	8/15								
		Early Prolific		2540	8/13								
Very good you possible have on 1st plant Too much disease to send 1-late flowered pan 15													

Very good you can still find on that plant
 Too much disease to send
 1-late flowered pan
 15

phys. discol.

				DATES		PLANT LOGG		DISEASES			
				HEADING	RIPENING	HARV.	HT.	ING	STAT.	H.O.	Cercospora
				1ST FULL	1ST FULL		(IN.)	%	TERING		
2918A	26-1-1-1-2-1	Blue Rose X Delitus	2831	2541	8/30		3-pan				0
	20-2-1-1-1-1		2686	2542	8/30		very tall, uniform	bits type			0
							smooth	rough pubescence			
2920A	10-3-1-1-1-1	Improved Blue Rose X Fortuna	2248	2543	9/10						
	13-2-2-1-1-1		2832	2544	Aug						
	22-2-1-1-1-1		2253	2545	9/15						
	24-2-1-1-1-1		2833	2546	9/3						
	26-3-1-1-1-1		2257	2547	9/6						
	36-1-1-1-1-1		2258	2548	9/1						
	36-2-1-1-1-1		2691	2549	8/29						
										good row	
312A	8-1-1-2-5-1	T. Fortuna X Early Prolific	2266	2550	Sept 15		3-pan				0
313A	5-1-1-1-1	Storm Proof X T. Fortuna	2267	2551	8/30		2-pan				0
314A	2-1-1-1-1-1	Storm Proof X Spain Jap	2835	2552	Sept 15		2-pan				0
	16-1-1-1-2-1		2275	2553	9/14						
	19-1-1-1-1-1		2277	2554	Aug						
317A	13-1-1-1-1-1	Wanica X (T. Fortuna Sel #18)	2279	2555	Aug						
	39-1-1-1-1-1		2283	2556	Aug						
	51-1-1-1-3-1		2287	2557	Aug		1-late				
321A	2-1-2-1-1-1	Rexoro X Delitus	2304	2558							
	2-3-1-1-1-1		2308	2559							
		Shoemed		2560							

				DATES		PLANT LODG.		DISEASES					
				HEADING	RIPENING		HT.	ING	SHAT-	H.O.	Cercospora	White Tip	Enty-loma
				1ST FULL	1ST FULL	HARV- STED	(IN.)	%	TERING				
3318A	4-3-1-1	C.I. 7689 X	Fortuna	2561	2561								
322A	2-1-1-1-1-1	Rexoro X	T. Fortuna	2704	2562		8/30	1 pan					
	2-2-2-1-1-1			2705	2563		8/29						
	2-3-3-1-1-1			2706	2564		8/2						
	2-8-3-1-1-1			2871	2565		9/16						
	2-9-2-1-1-1			2710	2566		8/28	3 pan	cut				
	2-10-3-1-1-1			2872	2567				✓				
	2-11-1-1-1-1			2712	2568				✓				
	2-13-1-1-1-1			2715	2569		8/28		cut				
	2-14-2-2-1-1			2719	2570		Aug		✓				
	2-14-4-1-1-1			2875	2571		Aug		✓				
	2-15-2-1-1-1			2721	2572		9/30		✓				
	3-2-1-2-1-1			2723	2573			2 pan					
	3-3-1-1-1-1			2724	2574		8/26	good uniform row	Cut				
	3-4-2-1-1-1			2725	2575			4 pan					
	3-6-1-1-1-1			2728	2576		9/29	good uniform	cut				
	3-6-2-1-1-1			2729	2577			1 pan					
	3-7-2-1-1-1			2877	2578		8/28		cut				
	3-10-3-1-1-1			2878	2579								
		Caloro			2580		8/15						

[illegible]

				DATES			PLANT LOGG		DISEASES		
				HEADING	RIPENING		HT.	ING	SHAT-	H.O.	
				1ST FULL	1ST FULL	HARV-ESTED	(IN.)	%	TERING		Cerco- White Enty- spora Tip loma
323A	1-12-3-2-1-1	Pexoro X Sup	Blue Rose	2752	2601	9/4					
	1-12-3-2-1-2			2752	2602	9/6			too tall		
	1-13-1-1-1-1			2753	2603	9/14			✓		
	1-13-3-1-1-1			2754	2604	9/16			✓		
	1-13-5-1-1-1			2755	2605	8/24			✓ 1-pan very good		
	1-14-1-1-1-1			2365	2606	leg			✓		
	1-14-1-1-2-1			2366	2607	9/4			✓		
	1-14-3-2-1-1			2369	2608	9/16			✓		
	2-2-1-1-1-1			2756	2609	9/16			✓		
	2-5-1-1-1-1			2886	2610				✓		
	3-1-1-1-1-1			2845	2611	9/6			5 pan		
	2-6-4-1-1-1			2887	2612				✓		
	3-1-4-1-1-1			2576	2613	reg			4 pan		
	3-2-1-1-1-1			2757	2614	9/12			✓		
	3-5-2-1-1-1			2846	2615	9/12			✓		
	3-5-3-1-1-1			2847	2616	9/4			✓	cut ✓	
	3-7-3-2-1-1			2849	2617	9/16			✓	fair	
	3-7-4-1-1-1			2889	2618	9/18			✓	4-pan	
	3-14-1-1-1-1			2385	2619	9/16			✓	cut very good	
					2620					cut ✓	
			Fortuna								

				DATES		PLANT LODG.		DISEASES				
				HEADING	RIPENING	HT.	NG	STAT.	H.O.	Cervo- spora	white Tip	Enty- loma
				1ST FULL	1ST FULL							
323A	4-2-4-1-1-1	Rexoro X Sup Blue Rose	2891	2621	9/14							
	4-2-2-1-1-1		2851	2622	Aug	1-pan						
	5-1-2-1-1-1		2855	2623	Aug	2-pan						
	5-6-1-1-1-1		2856	2624	9/4	1-pan	very good					
	5-6-2-1-1-1		2857	2625	9/13							
	5-6-4-1-1-1		2858	2626	9/3							
	5-12-1-1-1-1		2863	2627	8/16	Very good	cut					
	5-16-1-1-1-1		2759	2628	9/13							
	5-16-1-2-1-1		2761	2629	9/13							
	5-13-2-1-1-1		2892	2630	9/14							
	5-15-2-1-1-1		2889	2631	9/16							
	5-17-3-1-1-1		2893	2632	9/16							
324A	1-8-2-1-1-1	Rexoro X C.I. 5094	2391	2633	9/15							
	1-14-3-1-1-1		2393	2634	9/16		cut					
	1-2-1-1-1-1		2764	2635	9/30							
	1-5-1-1-1-1		2767	2636		dead lower leaves						
	1-5-4-1-1-1		2769	2637		dead lower leaves						
	1-7-2-1-1-1		2770	2638								
	1-10-1-1-1-1		2771	2639	9/30							
	Blue Rose			2640	9/1							

					DATES		PLANT LOSS		DISEASES						
					HEADING	RIPENING	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cerro- spora	White Tip	Enty- loma		
					1ST FULL	1ST FULL								MARY- ETED	
324A	1-11-1-1-1	Rexoro	X C.I. 5694	2772	2641	8/30									
	1-12-2-1-1			2773	2642	8/27									
	1-16-1-1-1			2774	2643	9/16									
	1-16-3-1-2-1			2897	2644	8/15			BR type	3 pan					
	1-16-3-1-2-2			2897	2645	9/17				6-pan, BR type					
	1-16-3-2-1-1			2898	2646	8/15				2-pan					
	1-16-3-2-2-1			2899	2647	8/15									
	2-6-1-1-1-1			2775	2648	9/1			✓ 1-fiducian		20 leaf blotching				
	2-10-1-1-1-1			2776	2649	8/15			✓						
	4-7-1-2-1-1			2779	2650	9/16			✓		very heavy row too much shade				
	5-3-1-1-1-1			2781	2651	8/15			✓						
	5-4-1-1-1-1			2782	2652	9/15					cut				
	5-5-1-2-1-1			2395	2653	8/15			✓						
	5-5-1-2-2-1			2396	2654	8/15			✓						
	5-6-1-1-1-1			2783	2655										
	5-6-1-2-1-1			2784	2656	9/2									
	5-6-2-1-1-1			2785	2657										
	5-8-1-1-1-1			2786	2658	9/4									
326A	1-4-1-2-1	Rexoro	X C.I. 5947	2403	2659	9/3									
		Rexoro			2660										

				D A T E S			PLANT LODG.		DISEASES				
				HEADING	RIPENING		HT.	ING	STAIN	H.O.	Grey- spora	White Tip	Enty- loma
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING				
329A	4-3-1-1-1	Naglampas X Blue Rose	2421	2661	7/4								
	4-7-1-1-1		2425	2662	9/16								
	4-10-2-1-1		2427	2663	9/17								
326A	1-5-1-1-1	Rexoro X C.I. 5947	2431	2664	Seg								
	1-10-6-1-1		2432	2665	Seg								
	1-10-6-1-2		2432	2666	9/5	1-Pan							
328A	1-6-3-1-1	Early Prolific X T. Fortuna	2443	2667	Seg								
	1-8-4-2-1		2449	2668	Seg 8/15								
332A	1-5-1-1	Rexoro X C.I. 7482	2456	2669	Seg								
	4-2-1-1		2457	2670	Seg								
334A	2-1-1-1	C.I. 7482 X Delitas	2464	2671	Seg								
337A	7-3-1-1	C.I. 7482 X C.I. 5094	2466	2672	Seg	5-pan							
	7-3-2-1		2467	2673	Seg	1-pan							
	7-3-2-2		2467	2674	Seg 8/15	1-pan							
338A	5-12-1-1	F. (Rexoro C.I. 5947) X C.I. 7482	2471	2675	9/17								
3313A	1-2-1-1	Rexoro X C.I. 7689	2474	2676	Seg								
3310A	1-21-1-1	C.I. 7689 X Edith	2489	2677	Seg								
3313A	1-4-1-1	Rexoro X C.I. 7689	2502	2678	9/16								
	1-4-1-2		2502	2679	9/17								
	Shoemed			2680	8/19								

cut

				DATES		PLANT LODG.		DISEASES			
				HEADING	RIPENING		HT.	ING	SHAT-		
				1ST FULL	1ST FULL	HARY-	(IN.)	%	TERING	H.O.	
										Cerco- White Enty-	
										spora Tip loma	
3313A	1-5-1-1	Revero X C.I. 7689	2503	2681	leg						
	1-15-1-1		2509	2682	leg						
	1-15-1-2		2509	2683	9/17						
3317A	11-4-1-1	C.I. 7689 X C.I. 5094	2536	2684	9/15						
	11-6-1-1		2537	2685	leg					15	
	11-6-1-2		2537	2686	leg					15	
3318A	1-5-1-1	C.I. 7689 X Fortuna Rogue	2546	2687	leg 8/15						
	2-3-1-1		2548	2688	leg						
	2-5-1-1		2550	2689	leg 8/15	1-pan					
	2-5-1-2		2550	2690	leg	1-pan					
	4-2-1-1		2559	2691	leg	1-for disease				10	
	8-3-1-1		2563	2692	9/1						
	8-4-1-1		2564	2693							
	8-12-1-1		2566	2694							
	F3 Sels. From	Purple Nat/Cross	2572	2695							
	do	do	2574	2696							
	do	do	2583	2697							
	do	do	2585	2698							
	do	do	2588	2699	leg						
	Early Prolific			2700	8/14						

				D A T E S		PLANT LOGG-	DISEASES			
				HEADING	RIPENING		HT.	ING	SHAT-	
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING	
									H.O.	
									Cerco- spora	
									White Tip	
									Enty- loma	
	F3 Sels. From Purple Net/Cross	2590	2701	9/12						
	do do	2590	2702	9/12						
	do do	2590	2703	9/12						
352A-1-1	Kameji X Pexoro	2904	2704	Seg						
-2-1		2905	2705	9/15 Seg						
-3-1		2906	2706	9/4						
-3-2		2906	2707						Cut	
-3-3		2906	2708	Seg						
-4-1		2907	2709	Seg						
-5-1		2908	2710	Seg						
-5-2		2908	2711	Seg					1-Epan.	
-5-3		2908	2712	9/17						
-5-4		2908	2713	Seg						
-6-1		2909	2714	9/16						
-6-2		2909	2715	Seg						
-7-1		2910	2716	Seg 9/15						
-8-1		2911	2717	9/17						
-8-2		2911	2718	Seg						
-8-3		2911	2719	Seg						
	Kameji		2720	8/20						

ship direct

				DATES			PLANT LODG.		DISEASES		
				HEADING	RIPENING		HT.	ING	SHAT-	H.O.	
				1ST FULL	1ST FULL	HARV-ESTED	(IN.)	%	TERING		Cerco- spora
											White Tip
											Enty- loma
352A	-8-4	Kameji X Rexoro	2911	2721	9/16						
	-8-5		2911	2722	Seg			1-E			
	-9-1		2912	2723	9/4						
	-12-1		2913	2724	Seg 8/15			4 pan			
	-12-2		2913	2725	Seg 8/15			1-E			
	-11-1		2914	2726	Seg			1-E			
	-11-2		2914	2727	Seg			2-E		5-pan (late)	
	-11-3		2914	2728	Seg 8/15						
	-11-4		2914	2729	Seg						
	-11-5		2914	2730	Seg						
	-11-6		2914	2731	Seg 8/15						
352A1	-2-1	314A8-2-31Y Sup. Blue Rose	2916	2732	Seg 8/15						
	-2-2		2916	2733	Seg						
	-3-1		2917	2734	8/23			1-for disease		5	+
	-3-2		2917	2735	8/25			1-for disease		10	+
	-4-1		2918	2736	9/15					10	
	-4-2		2918	2737	9/15					5	
	-4-3		2918	2738	Seg			1-for disease		5	
	-5-1		2919	2739	Seg 8/15					5	
		Rexoro		2740						15	

$p = \text{phy spot}$

[illegible]

				DATES			PLANT LODG.		SHAT- TERING	H.O.	DISEASES			
				HEADING 1ST FULL	1ST	RIPENING FULL	HARV- ESTED	HT. (IN.)			ING %	Cerco- spora	White Tip	Enty- loma
3512A	-16-4	314A8-2-3-1 X	Sup Blue Rose	2925	2761	9/16					10			
	-10-5			2925	2762	9/16					10			
	-12-1			2927	2763	9/4					15			
	-12-2			2927	2764	9/4					tr-5	Cross with BR		
	-12-3			2927	2765	8/15					5-P			
	-12-4			2927	2766	8/15					tr-P	Dr Mura		
	-12-5			2927	2767	9/4					tr-P			
	-12-6			2927	2768	9/4					5			
	-12-7			2927	2769	8/15					5	Dr Mura		
	-12-8			2927	2770	8/15					tr-P			
	-12-9			2927	2771	9/3					10			
	-13-1			2928	2772	8/15					5-P			
	-14-1			2929	2773	9/15					5-P			
	-14-2			2929	2774	9/15					10			
	-14-3			2929	2775	1/15					10			
	-15-1			2930	2776	9/14					15			
	-15-2			2930	2777	9/14					15			
	-16-1			2931	2778	8/15					10			
(Varietal Improvement Sels)			C.I. 5399 Nat'l. Cross	3010	2779	8/15					10			
		Blue Rose			2780	9/1					2.5			

Red looking lines - but more
Blk grain tips than other lines

			D A T E S		PLANT LODG.		DISEASES					
			HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT.	ING	SHAT- TERING	H.O.	Cerro- spora	White Tip	Enty- loma
						(IN.)	%					
(Varietal Improvement Sel.)	C.I. 5399 Nat'l. Cross (From Common Seeded 72 Plant)		3022	2781	Aug							
do	do	do	3023	2782	9/12							
do	do	do	3024	2783	Aug 8/15							
do	do	do	3024	2784	9/20							
do	do	do	3024	2785	Aug 8/17							
do	do	do	3024	2786	Aug							
do	do	do	3024	2787	Aug 8/15							
do	do	do	3025	2788	Aug							
do	do	do	3026	2789								
do	do	do	3027	2790	Aug 8/15							
do	do	do	3032	2791	Aug							
	C.I. 5399 Nat'l. Cross, Purple- leaved Plant		3034	2792	Aug							
(Genetic sels.)	C.I. 5399 Nat'l. Cross (From Common Seeded 72 Plant.)		3038	2793	Aug							
do	do	do	3038	2794	Aug							
	do		3038	2795	Aug 8/15							
	do		3041	2796	9/12							
	do		3041	2797	Aug							
	do		3044	2798	Aug							
	d		3045	2799	9/18							
Blue Rose				2800	9/1							

shy discal

(Genetic Selections)				DATES		PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.	Cerco- spora	White Rust	Enty- oma
	C.I. 5399 Nat'l Cross (from Common seeded Fa Plant)											
	do	3045	2801		9/17							
	do	3045	2802		9/16							
	do	3046	2803		Seg							
	do	3047	2804									
	do	3049	2805		9/18							
	do	3049	2806		Seg							
	do	3049	2807		9/17							
	do	3050	2808		Seg							
	do	3050	2809		Seg 8/15							
	do	3050	2810		Seg 8/15							
	do	3050	2811		Seg							
	do	3050	2812		Seg							
	do	3051	2813		Seg 8/15							
	do	3054	2814		Seg 8/15							
	do	3054	2815		Seg							
56 MS-1-1	Medium Grain X Short-Grain Bulk	3055	2816		Seg 8/15							
-1-2		3055	2817		Seg 8/15							
-1-3		3055	2818		9/19							
-1-4		3055	2819		Seg							
	Blue Rose		2820		9/31							

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DISEASES

				D A T E S			PLANT LODG.		DISEASES				
				HEADING	1ST FULL	1ST FULL	HT. (IN.)	ING %	SHAT TERING	H.O.	Cerco- spora	white fly	Enty- loma
				1ST FULL	1ST FULL	1ST FULL							
36 MS-1-5	Medium Grain	Short-grain	Bulk	3055	2821	Aug							
-1-6				3055	2822	9/1			2-E				tr
-1-7				3055	2823	Aug			2-P				
-1-8				3055	2824	Aug 8/15			1-Elony green	1-late			
-2-1				3056	2825	8/24 Uniform, Heavy			3-P	stretch clumpy			
-3-1				3057	2826	8/30							
-4-1				3058	2827	Aug			2-pan				
-4-2				3058	2828	Aug			✓				
-4-3				3058	2829	9/5			2-pan				
-5-1				3059	2830	8/30			✓				
36 LS-13-1	Long-Grain	Short-Grain	Bulk	3068	2831	9/16			✓				
-14-1				3069	2832	9/16			✓				
-15-1				3070	2833	9/17			✓				
-16-1				3071	2834	Aug 8/15							
-16-2				3071	2835	Aug							
-16-3				3071	2836	Aug							
-21-1				3076	2837	Aug							
-24-1				3079	2838	9/17							
36 B-28-1	Imp. Blue Rose	Fortuna	Bulk	3084	2839	Aug							
	Early Proific				2840	8/14							

				D A T E S		PLANT LODG.		SHAT- TERING		DISEASES		
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.	Cerco- spora	White Tip	Enty- loma
36B-	-32-1	Imp. Blue Rose X Fortuna Bulk	3088	2841	Aug							
	-33-1		3089	2842	Aug							
S-15-1-3-2-1		Blue Rose	3101	2843	Aug				2-E			
S-15-1-3-3-1			3102	2844	Aug 8/15							
S-15-1-3-3-2			3102	2845	9/5							
		241A (pl) 31-21 sel.	3118	2846	9/5							
		Edith X Fortuna	3127	2847	9/1							
		do	3130	2848	9/1				1-pr add.		last 1 pan for add	
AL B3714		Off type panicle from Blue Rose thought to be a hybrid	3134	2849	9/4				cut.			
		do	3134	2850	Aug							
		do	3135	2851	Aug							
		do	3135	2852	9/17							
		do	3136	2853	9/18							
		do	3136	2854	9/10							
		do	3136	2855	9/18							
		do	3136	2856	Aug							
		do	3136	2857	9/19				4-pr pan			
		do	3136	2858	Aug							
		do	3136	2859	Aug							
		Blue Rose		2860	9/1							

		D A T E S			PLANT	LOG	DISEASES		
		HEADING	RIPENING		HT.	ING	SHAN		
		1ST FULL	1ST FULL	HARV-ESTED	(IN.)	%	TERING	H.O.	Cerro-White-Enty- spora Tip loma
Off type	panicle from Peroro, Possibly F ₁	3142	2861	E Seg		1-pan			
do		3146	2862	Seg		2-pan			
241A (pl)	31-2 set	3147	2863	9/3					
Kameji	Y Blue Rose	3157	2864	8/19		3-pan,			
				good uniform, heavy seg. to grain type					
128B3715	Nira sel	3175	2865	9/13					cut
	do	3176	2866	Seg					
	do	3176	2867	E Seg					
128B3716	do	3177	2868	9/16					cut 10
	do	3177	2869	9/16					
	do	3177	2870	9/16					10
	do	3179	2871						
	Imp Blue Rose X Fortuna	3181	2872	9/16					
	do	3182	2873	9/5					
	do	3184	2874	9/3		3-pan			
	do	3184	2875	9/5		3-pan			
Bulked hyb.	128B3717 Peroro X Sup. Blue Rose	3195	2876	9/18		cut			
36LM-2-1	Long X Medium	3198	2877	Seg					
3-1	do	3199	2878	9/1					
36LM 5-1	do	3202	2879	9/6					
	Blue Rose		2880	9/1					

				D A T E S		PLANT	ODG	DISEASES			
				HEADING	RIPENING			HT.	ING	SHAT-	
				1ST FULL	1ST FULL	HARV- ESTED		(IN.)	%	TERING	H O
36LM-6-1	Long X medium	3203	2881	leg							
7-1	do	3204	2882	leg							
8-1	do	3205	2883	leg							
	Short X medium	3248	2884	9/1							
	do	3250	2885	9/1							
Panicle selection from 2911A/8-1-1				3261	2886	8/30					
	do	3261	2887	8/30							
	do	3261	2888	8/30							
	do	3262	2889	9/1							
	do	3262	2890	8/30							
	do	3262	2891	8/30							
	do	3262	2892	8/30							
	do	3264	2893	8/30							Dr. Muns
	do	3264	2894	8/30							10-0
	do	3264	2895	9/1							Dr. Muns
	do	3264	2896	8/30							
	do	3264	2897	8/30							
	do	3264	2898	9/1							Dr. Muns (3)
	do	3264	2899	8/30							
	Blue Rose		2900	9/1							

				D A T E S		PLANT LODG.	DISEASES					
				HEADING	RIPENING	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cerro- spora	White Tip	Enty- loma
				1ST FULL	1ST FULL			HARV- ESTED				
Panicle Selections From 2911A18-1-1		3266	2901	8/30					5-10			
do		3267	2902	8/30								
									10-15			
do		3268	2903	8/30								
do		3269	2904	8/31								
do		3270	2905	8/30								
do		3270	2906	8/30								
do		3270	2907	8/30								
do		3271	2908	8/30								
	Tag hook		2909	8/30	seg.							
do		3272	2910									
do		3272	2911									
do		3272	2912									Dr nurse
do		3273	2913									
do		3273	2914									15
do		3273	2915									
do		3274	2916									
do		3275	2917									
do		3276	2918									45-60
do		3277	2919									
Blue Rose			2920									

2927 starts sub. not classified as to maturity

			DATES			PLANT LODG		SHAT- TERING		DISEASES		
			HEADING	RIPENING		HT.	ING	H.O.		Cercos-	White	Enty-
			1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%			spora	Tip	loma
Panicle Selections From	2911A18-1-1:	3277	2921	8/30								
do		3278	2922					10				
do		3278	2923					15				
Hugh Long	Both RR		2924									
do			2925									
do			2926									
End of Late Group	Off-type panicle Sel. from Blue Rose and related strains											
I. Blue Rose in Day length	3279	2927		Seg								
do		3279	2928	all red hulls				19 compact: 7 open pan.				
do		3279	2929	Seg				19 Red: 13 red apex.				
do			2930					20 pr apex: 4 str: 5 red apex				
do		3279	2931	Seg				23 pr apex: 12 red apex				
do		3279	2932	✓				23, all red apex				
do		3281	2933	15 pr + 4 Red: 4 pr apex: 3 red apex: 6 straw								
do		3281	2934	Seg				24 pr apex: 6 str: 3 red apex				
do		3281	2935	Seg				all pure straw - 37 plants				
do		3281	2936	Seg				26 Red hulls: 7 pure straw				
do		3281	2937	Seg				58 - pure straw				
do		3281	2938	Seg				19 pr: 1 str pr apex: 1 str Red apex: 5 Red: 10 straw				
do		3281	2939	Seg				16 pr: 6 str pr apex: 6 Red: 6 straw				
Early Prolific			2940	8/14				25 pr: 9 straw				

				DATES		PLANT LODG.		DISEASES		
				HEADING	RIPENING	HT.	ING	SHAT-	H.O.	Cerro- spora
				1ST FULL	1ST FULL	(IN.)	%	TERING		
										White Tip
										Enty- loma
off-Type selections From Blue Rose and Related strains:										
I. Blue Rose in Day length Plot				3283	2961					
stems	str P	str Red	Red	P						28 all stems
					2962					
	-									26 pr; 8 str Prapi; 4 stems
					2963					
	-									25 pr; 9 str Prapi
					2964					
-	-									13 pr; 6 str Prapi; 1 str Red api; 9 stems; 5 Red
		do		3284	2965					
-										22 pr; 3 str Prapi; 10 stems
					2966					
					2967					
										19 stems pr api; 6 stems Red api; 5 stems
					2968					
										17 pr; 5 Red; 10 str hulls
					2969					
										12 pr; 7 Red; 9 str pr api; 2 str Red api; 5 stems
					2970					
										19 Red hulls; 19 str hulls Red api
					2971					
										22 Red hulls; 2 str Red api; 6 stems hulls
					2972					
										9 pr hulls; 4 Red hulls; 6 str pr api; 5 stems
					2973					
										19 str api; 5 str Red; 2 stems
					2974					3-E pr
										15 str Pr api; 4 stems
From Sup Blue Rose				3285	2975					
					2976					
					2977					
					2978					
					2979					
Blue Rose					2980					

			PLANT LODG.		SHAT- TERING		DISEASES		
HEADING	RIPENING		HT.	ING		H.O.	Cerco- spora	White Tip	Enty- loma
1st FULL	1st FULL	HARV- ESTED	(IN.)	%					
From Sup Blue Rose	3285	2981	Seg						
do	3285	2982	8/21						
From Blue Rose Brumissie C.I. 1160 IMP & Sup Tinoco	3287	2983	Seg						
From Blue Rose Brumissie	3287	2984	Seg						
do	3287	2985	Seg						
do	3288	2986	8/19						
do	3288	2987	8/21						
do	3290	2988	Seg						Dr Mura
do	3290	2989	Seg						
do	3293	2990	Seg						
do	3293	2991	Seg						Dr Mura
do	3294	2992	Seg						
do	3295	2993	9/22						cut
do	3296	2994	8/20						
do	3296	2995							
do	3298	2996	Seg						
do	3299	2997	8/19						
off-type Panicle Selections From Blue Rose and Related strains: From Blue Rose, IMP, Sup C.I. 1160 BRUMISSIE or Tinoco	3301	2998	8/18						2-pan (E)
do	3301	2999	Seg						
Fortuna		3000							

				DATES		PLANT LODG.		DISEASES						
				HEADING	1ST FULL	1ST FULL	HARV- ESTED	HT. (IN.)	ING %	SHATT- TERING	H.O.	Cerco- SIDES	White Tip	Enty- loma
Off-type Selections from Blue Rose and Related Strains:														
From Blue Rose, Imp. Sop. C.I. No.														
Brown missie or Tinoco.														
		3302	3001	leg				1-pan						
do		3302	3002											
do		3303	3003	8/19										
do		3305	3004	8/21										
do		3305	3005	leg										
do		3306	3006	leg										
do		3306	3007	leg										
do		3307	3008											
do		3307	3009											
do		3309	3010	leg										
do		3309	3011	leg								disc, red seed cut out now.		
do		3311	3012	leg				1-pan						
From Brown missie, Cerc. R.														
		3312	3013	leg										
do		3312	3014	leg				selected out earlier	2-pan					
do		3312	3015	leg										
do		3313	3016	leg										
do		3313	3017	leg				1-pan						
do		3313	3018	leg										
From Sop. Blue Rose Cerc. R.														
do		3315	3019	leg										
Blue Rose														
			3020											

		DATES			PLANT LODG.		DISEASES				
		HEADING	RIPENING		HT.	ING	SHAT-				
		1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING	H.O.	Cerco- spora	White Tip	Enty- loma
From Sup. Blue Rose Cerc. R. 9315		3021									
Off-type Panicle Selections From Blue Rose and Related Strain:											
From Sup. Blue Rose, Cerc. Resist		3321	3022								
do		3321	3023								
do		3321	3024								
Off-type Panicle Selections From Miscellaneous Varieties:											
From Latex		3367	3025								
		↓	3026								
			3027								
			3028		8/19						
			3029		8/21						
			3030								
			3031								
do		3370	3032								
		↓	3033								
			3034								
			3035		8/14						
			3036								
From Shoemed		3372	3037		8/21						
do		3375	3038								
Purple For Color <i>ma</i>		3379	3039								
Shoemed			3040		8/19						

191
76

				DATES			PLANT LODG.		SHAT- TERING	H.O.	DISEASES		
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %			Cerco- spora	White Tip	Enty- loma
	Purple Nira		3381	3041									
2913A	24-4-1-1-1-2-1 Colosa X Blue Rose (ROGOE)		3385	3042									
	24-4-1-1-1-3-1		3386	3043									
2920A	(ROGOE) Imp Blue Rose X Fortune		3393	3044									
	do		3393	3045									
283A	E X F		3396	3046									
S-71-1-1-1-1	Blue Rose		3398	3047									
2916A	E X B R		3401	3048									
321A	R X D Rogue		3404	3049									
	Rogue Blue Rose		3405	3050									
	Rogue From Honduras		3407	3051									
283A	Rogue E X F		3426	3052									
2912A	Rogue Ka. X B R		3428	3053									
2913A	Rogue Co X B. R.		3429	3054									
5th wa on Black No 10. Following 73 varietal Imp. Rows.													
283A-1	E. X F. (medium grain type)		3430	3055									
	do		3432	3056									
	do		3432	3057									
292A	15 Sel Co X E		3433	3058									
295A	18-44 Sel E X K		3434	3059									
	Blue Rose			3060									

1-pan for disease

10 - select disfig plant.

8/23

9/21

10 tr

				D A T E S		PLANT LODG.		DISEASES		
				HEADING	RIPENING		HT.	ING	SHAN	
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING	H.O.
	Rogue	3467	3061							
	Rexoro Hybrid (tag List)	(Prob. between 2500 to 2900)	3062	8/21						
351A1 -1	Kameji x Shoemed		3063	8/17						
-2			3064	Seg						
-3			3065	8/18						
-4			3066	Seg						
-5			3067	Seg				3 pan		
-6			3068	Seg				1-pan		
-7			3069	Seg						
-8			3070	Seg						
-9			3071	8/13				2-pan		
-10			3072	Seg				2-pan		
-11			3073	Seg						
-12			3074							
-13			3075	Seg				1-pan		
-14			3076	Seg				1-pan		
-15			3077	8/12				1-pan		
-16			3078	Seg				3 pan		10 tr
-17			3079	Seg						
	Kameji	Kameji	3080	8/20						

Selected 6383 on 1/1/58

				DATES		PLANT LODG.		SHATT- TERING	H.O.	DISEASES		
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		Cerco- spora	White Tip	Enty- loma
35/A1-18	Kameji x Shoemed	3081	Seg			2-pan						
-19		3082	Seg									
-20		3083	Seg			1-pan						
-21		3084	Seg			2-pan						
-22		3085				2-pan						
-23		3086	Seg			✓						
-24		3087	Seg			1-pan						
-25		3088	Seg			✓						
-26		3089	Seg			1-pan						
-27		3090	Seg			1-pan						
-28		3091	Seg			2-pan						
-29		3092	Seg							10 th select for dis- resistant plants		
-30		3093	Seg			✓						
-31		3094				2-pan						
-32		3095	Seg			2-pan						
-33		3096				1-pan						
-34		3097	Seg			5-pan						
-35		3098	Seg			1-pan						
-36		3099	Seg			✓						
-	Shoemed	3100	4/20			✓						

				D A T E S			PLANT LODG.		SHAT- TERING	H.O.	DISEASES		
				HEADING	RIPENING	HARV- ESTED	HT.	ING			Cerco-	White	Enty-
				1ST FULL	1ST FULL		(IN.)	%			spora	Tip	loma
351A1-56	Kameji x Shoemed		3121	Aug		1 pan							
-57	••		3122	Aug		1 pan							
-58			3123	Aug		3 pan							
-59			3124	Aug		✓							
-60			3125	Aug		✓							
-61			3126	Aug		✓							
-62			3127	Aug		1 pan							
-63			3128	Aug		✓							
-64			3129	Aug		5 pan							
-65			3130	Aug									
-66			3131	Aug		Very ^{3 pan} good				5-10			
-67			3132	Aug		2 pan							
-68			3133	Aug		3 pan							
-69			3134	Aug		1 pan							
-70			3135	Aug		1 pan							
-71			3136	Aug		1 pan							
-72			3137	Aug		2 pan							
-73			3138	Aug		2 pan							
-74			3139	Aug		2 pan							
	Shoemed.		3140	Aug		✓							

		DATES			PLANT LODG.		DISEASES				
		HEADING	RIPENING		HT.	ING	SHAT- TERING	H.O.	Cerco- spora	White Tip	Enty- loma
		1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%					
351A1-75	Kameji x Shoemed	3141	Seg	5 pan Very stiff straw, make more Very good at retaining leaves							
-76		3142	Seg	✓							
-77		3143	Seg	✓							
-78		3144		1 pan							
-79		3145		2 pan							
-80		3146		1 pan							
-81		3147		✓							
-82		3148	8/16						5-10		
-83		3149	8/14	✓							
-84		3150	8/14	2 pan							
-85		3151	Seg	✓							
-86		3152		2 pan							
-87		3153	Seg	2 pan							
-88		3154	Seg	1 pan							
-89		3155	Seg	2 pan							
-90		3156	Seg	3 pan							
-91		3157	Seg	3 pan							
-92		3158	late						Cut		
-93		3159		1 pan							
	Kameji	3160	8/21	✓							

				DATES		PLANT LODG.		SHAT- TERING	H.O.	DISEASES		
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		Cerco- spora	White Tip	Enty- loma
351A1-94	Kameji x Shoemed	3161	leg			3 pan						
-95		3162	8/16			1 pan						
-96		3163	leg			2 pan						
-97		3164	8/14			1-pan						
-98		3165	8/16			1-pan						
-99		3166	late			3-pan						
-100		3167	leg			1-pan						
-101		3168	leg			1-pan						
-102		3169	leg						5			
-103		3170	leg			1-pan						
-104		3171	leg			2 pan						
-105		3172	leg			1-pan						
-106		3173				2 pan						
-107		3174				2 pan						
-108		3175	leg			1 pan						
-109		3176	leg			3-pan						
-110		3177				✓						
-111		3178	leg			✓						
-112		3179	leg			1 pan						
	Shoemed	3180	8/19			✓						

DATES

PLANT LODG.

SHAT-

TERING

DISEASES

Cerco- White Enty-
spora Tip loma

HEADING

1ST FULL

RIPENING

1ST FULL

HARV-

ESTED

HT.

(IN.)

ING

%

H.O.

Cerco-

spora

White

Tip

Enty-

loma

				D A T E S		P L A N T L O D G -		S H A P -		D I S E A S E S		
				HEADING	R I P E N I N G		H T. (IN.)	I N G %	S H A P - T E R M I N G H.O.	C e r c o - s p o r a	W h i t e T i p	B a t y - l o m a
				1 S T F U L L	1 S T	F U L L						
351A1-113	Kameji x Shoemed		3181	Seq		1 pan						
-114			3182	Seq		4 pan						
-115			3183	Seq		3 pan						
-116			3184	Seq		1 pan						
-117			3185	Seq		2 pan						
-118			3186	Seq		1 pan						
-119			3187	Seq		1 pan						
-120			3188			1 pan						
352A1-1	Kameji x Rexoro		3189	Seq		2 pan						
-2			3190	Seq		1-pan						
-3			3191			✓						
-4			3192	Seq		✓						
-5			3193	Seq		✓						
-6			3194	Seq		2 pan						
-7			3195	Seq		1 pan						
-8			3196	Seq		✓						
-9			3197	Seq		1-pan						
-10			3198	Seq		✓						
-11			3199	Seq		1 r.						
	Kameji		3200	8/21								

				D A T E S			P L A N T L O G G		SHAT- TERING	D I S E A S E S			
				HEADING 1ST FULL	RIPE 1ST FULL	NING FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.	Cerco- spora	White Tip	Enty- loma
352A1-12	Kamejix	Rexoro	3201	Aug			2-P						
-13			3202	Aug			✓						
-14			3203	Aug			1-P						
-15			3204	Aug			1-P						
-16			3205	Aug			2-Pan						
-17			3206	Aug			1-Pan						
-18			3207	Aug			1-Pan						
-19			3208				✓						
-20			3209	Aug			✓						
-21			3210				1-Pan						
-22			3211	Aug			✓						
-23			3212	Aug			✓						
-24			3213	Aug			1-Pan						
-25			3214	Aug			✓						
-26			3215	Aug			✓						
-27			3216	Aug			1-Pan						
-28			3217	Aug			1-Pan						
-29			3218	Aug			1-Pan						
-30			3219	Aug			✓						
	Rexoro		3220				-						

				DATES		PLANT LODG.	SHAP.	DISEASES		
				HEADING	RIPENING	HT.	ING	TERING	H.O.	Cerco- White Enty-
				1ST FULL	1ST FULL	(IN.)	%			spora Tip loma
352A1-31	Kameji x Rexoto			3221	Aug	1-pan				
-32				3222	Aug	✓				
-33				3223	Aug	1-pan				
-34				3224	Aug	1-pan				
-35				3225	Aug	1-pan				
-36				3226	Aug	1-pan				
-37				3227		1-pan				
-38				3228	9/1	2-pan very good row		Aug pub & for awns		
-39				3229	Aug	2-pan				
-40				3230	Aug	2-pan				
-41				3231	Aug	✓				
-42				3232	Aug	1-pan				
-43				3233	Aug	1-pan				
-44				3234		1-pan				
-45				3235	Aug	1-pan				
-46				3236		✓				
-47				3237	Aug	1-pan				
-48				3238	Aug	✓				
-49				3239	Aug	monthly late				Dr. H. W. L.
	Kameji			3240	8/21					

				D A T E S			P L A N T L O G G		D I S E A S E S			
				HEADING	RIPENING		HT.	ING	SHAT-			
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING H.O.	Cerco- spora	White Tip	Enty- loma
352A1-50	Kameji	X	Rexoro	3241	15 Sep							
-51				3242	18 Sep							
-52				3243	20 Sep							
-53				3244	22 Sep							
-54				3245	25 1/20 mushy early, some segregation for maturity							
-55				3246	28 Sep							
-56				3247	30 Sep							
-57				3248	1 Oct							
-58				3249	3 Oct							
-59				3250	5 Oct							
-60				3251	15 Oct							
-61				3252	18 Oct							
-62				3253	20 Oct							
-63				3254	22 Oct							
-64				3255	24 Oct							
-65				3256	26 Oct							
-66				3257	28 Oct							
-67				3258	30 Oct							
-68				3259	1 Nov							
			Rexoro	3260	3 Nov							

				DATES			PLANT LODG.		SHAN		DISEASES			
				HEADING	1ST FULL	1ST FULL	HARV-ESTED	HT. (IN.)	ING %	TERING	H.O.	Cerco-spores	White Tip	Enty-loma
352A1-69	Kameji x Rexoto	3261	8/19	uniform,	heads,	good	3-pan							
-70		3262	leg				1-pan							
-71		3263	leg				1-pan							
-72		3264	leg				2-pan							
-73		3265	leg				3-pan							
-74		3266	leg				✓							
-75		3267	leg				1-pan							
-76		3268	leg				✓							
-77		3269	leg				1-pan							
-78		3270					3-pan							
-79		3271					3-pan							
-80		3272	leg				✓							
-81		3273					✓							
-82		3274	8/19	uniform,	good		1-pan							
-83		3275	leg				✓							
-84		3276	leg				2-pan							
-85		3277	leg				2-pan							
-86		3278	leg				1-pan							
-87		3279	leg				✓							
	Kameji	3280	8/19				✓							

[illegible]

				D A T E S		P L A N T L O D G.		D I S E A S E S			
				HEADING	RIPENING		HT.	ING	SHAT-	H. O.	Cerro- spora
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING		
354A1-5	Sup. Blue Rose	x C.I. 7143	3321	leaf			1-pan				
-6			3322	leaf			1-pan				
-7			3323								
-8			3324								
-9			3325								
-10			3326								
-11			3327								
-12			3328								
-13			3329	leaf			8-pan,				
-14			3330	leaf			exceptionally good row, heavy stem, no shading				
-15			3331								
-16			3332								
-17			3333	leaf							
-18			3334	8/21							
-19			3335	leaf							
-20			3336								
-21			3337	8/22							
-22			3338	8/23							
-23			3339								
	C.I. 7143		3340								

				D A T E S		PLANT LODG	HT.	ING	SHAR	DISEASES		
				HEADING	RIPENING		(IN.)	%	TERING	H O	C. ro- white	Enty- loma
				1ST FULL	1ST FULL	HARV. ESTES						
354A1-24	Sup. Blue Rose x C.I. 7143			3341	Aug							
-25				3342								
-26				3343								
-27				3344	8/22							
-28				3345								
-29				3346	Aug							
-30				3347	Aug							
-31				3348	Aug							
-32				3349	Aug							
-33				3350	8/24							
-34				3351	Aug							
-35				3352								
-36				3353								
-37				3354								
355A2-1	283A2-3 x C.I. 7143			3355	Aug							
-2				3356	Aug							
-3				3357	8/20							
-4				3358	Aug							
-5				3359	8/18							
	283A2-3			3360	8/18							

				D A T E S		P L A N T L O G G		SHAT- TERING	D I S E A S E S			
				HEADING	RIPENING		HT.		ING	H.O.	Cerco- spora	White Tip
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%				
355A2-6	283A2-3	C.I. 7143		3361	Aug							
-7				3362	Aug							
-8				3363	8/18							
-9				3364								
-10				3365								
-11				3366	Aug							
-12				3367	8/22							
-13				3368	8/21							
-14				3369						5-10		
-15				3370	Aug							
-16				3371	Aug					19 ¹⁰ plant used in cross.		
-17				3372								
-18				3373								
-19				3374	8/21							
-20				3375	8/18							
-21				3376	8/21							
-22				3377	8/20							
-23				3378	Aug							
-24				3379	8/20							
	C.I. 7143			3380								

				D A T E S			PLANT LODG-		DISEASES				
				HEADING	RIPENING	HARV- ESTED	HT.	ING	SHAT-	H.O.	Cerco- spora	White Tip	Enty- loma
				1ST FULL	1ST FULL		(IN.)	%	TERING				
355A2-25	283A2-3XC.I. 7/43			3381	Seq								
-26				3382	8/22								
-27				3383	8/22								
-28				3384	Seq								
-29				3385	Seq								
-30				3386	Seq								
-31				3387	Seq								
-32				3388	Seq								
-33				3389	8/14								
-34				3390	8/19								
-35				3391	Seq								
-36				3392	Seq								
-37				3393	Seq								
355A3-1	283A2-3XC.I. 7/43			3394	8/22								
-2				3395	Seq								
-3				3396	Seq								
-4				3397	8/18								
-5				3398	Seq								
-6				3399	Seq								
	283A2-3			3400	8/18								

				D A T E S		P L A N T L O D G		S H A W			D I S E A S E S		
				H E A D I N G	R I P E N I N G		H T.	I N G	S H A W				
				1 S T F U L L	1 S T F U L L	H A R V - E S T E D	(I N .)	%	T E R I N G	H . O .	C e r c o - s p o r a	W h i t e T i p	E n t y - l o m a
355A3-7	283A2-3	C.I. 7143	3401	1	Aug								
-8			3402	SS	Aug								
-9			3403	SS	Aug								
-10			3404		Aug								
-11			3405		Aug								
-12			3406		Aug								
-13			3407	TS	Aug								
-14			3408		Aug								
-15			3409	SS	8/20								
-16			3410	SS	Aug								
-17			3411	SS	8/21								
-18			3412	SS	Aug								
-19			3413	SS	Aug								
-20			3414	SS	8/21								
356A1-1	Vintula	x C.I. 7143	3415	SS	Aug								
-2			3416	SS	8/19								
-3			3417	SS	8/17								
-4			3418	SS	8/21								
-5			3419	SS	Aug								
	Vintula	Early Parkers	3420	SS	8/17								

				D A T E S			PLANT LODG.		SHAT	DISEASES			
				HEADING	RIPENING		HT. (IN.)	ING %	SHAT TERING	H.O.	Cercospora	White Tip	Enty-loma
				1ST FULL	1ST	FULL							

356A1-6 Vintulax C.I. 7143

3421 Aug

-7

3422 8/22 good row.

-8

3423

-9

3424 8/21

-10

3425

-11

3426 Aug

-12

3427 Aug

-13

3428 8/17

-14

3429

-15

3430 8/22

-16

3431 8/17

-17

3432 8/22

356A2-1 Vintula x C.I. 7143

3433

-2

3434

-3

3435 Aug

5-10

-4

3436

-5

3437 Aug

-6

3438 Aug

-7

3439 Aug

C.I. 7143

3440

			DATES		PLANT LODG.		DISEASES					
			HEADING	RIPENING		HT.	ING	SHAT-				
			1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING	H.O.	Cerco- spora	White Tip	Enty- loma
356A2-8	Vintula x C.I. 7143		3441	1/2 seg								
-9			3442	1/2 seg								
-10			3443	1/2 seg								
-11			3444	1/2 seg								
-12			3445	1/2 seg								
-13			3446	1/2 seg								
357A1-1	Storm Proof x C.I. 7143		3447	1/2 seg								
-2			3448	1/2 seg								
-3			3449	1/2 seg								
-4			3450	1/2 seg								
-5			3451	1/2 seg								
-6			3452	1/2 seg								
-7			3453	1/2 seg								
-8			3454	1/2 seg								
-9			3455	1/2 seg								
-10			3456	1/2 seg								
-11			3457	1/2 seg								
-12			3458	1/2 seg								
-13			3459	1/2 seg								
	Stormy Prolific		3460	1/2 seg								

					DATES		PLANT LODG.		SHAPING		DISEASES				
					HEADING	RIPE	NING		HT.	ING					
					1ST FULL	1ST FULL	FULL	HARV-ESTED	(IN.)	%		H.O.	Cerco-spora	White Tip	Enty-loma
357A1-14	stain proof Vintala x C.I. 7143				3481	seg									
-15					3482										
-16					3483										
-17					3484										
-18					3485										
-19					3486										
-20					3487										
-21					3488										
-22					3489	✓									
-23					3470	✓									
-24					3471	8/22									
-25					3472	8/22									
-26					3473	seg									
-27					3474	8/25									
-28					3475	8/22									
-29					3476	8/23									
-30					3477	seg									
-31					3478	seg									
-32					3479	seg									
	C.I. 7143				3480										

		D A T E S			P L A N T L O D G		SHAT- TERING	D I S E A S E S		
		HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip
357A1-33	<i>Stom proof</i> Vintata x C.I. 7143	3481	<i>Seq</i>							
-34		3482	<i>Seq</i>							
-35		3483	<i>8/21</i>							
-36		3484	<i>Seq</i>							
-37		3485	<i>Seq</i>							
-38		3486	<i>Seq</i>							
-39		3487	<i>Seq</i>							
-40		3488	<i>Seq</i>							
-41		3489	<i>Seq</i>							
-42		3490	<i>Seq</i>							
-43		3491	<i>Seq</i>							
-44		3492	<i>8/22</i>							
-45		3493	<i>8/21</i>							
-46		3494	<i>Seq</i>							
-47		3495	<i>Seq</i>							
-48		3496	<i>Seq</i>							
357A2-1	<i>Stom proof</i> Vintata x C.I. 7143	3497	<i>Seq</i>							
-2		3498								
-3		3499	<i>Seq</i>							
E	<i>Pro. 1/16</i> Stom proof	3500	<i>8/16</i>							

				D A T E S		P L A N T L O D G.		S H A T		D I S E A S E S		
				H E A D I N G	R I P E N I N G		H T.	I N G	T E R M I N A T I O N	H. O.	C e r c o - s p o r a	W h i t e T i p
				1 S T F U L L	1 S T F U L L	H A R V - E S T E D	(I N .)	%				E n t y - l o m a
357A2-4	<i>Stanford</i> Kentia x C.I. 7143			3501								
-5				3502								
-6				3503		<i>Seg</i>						
-7				3504		<i>Seg</i>						
-8				3505		<i>8/18</i>						
-9				3506		<i>Seg</i>						
-10				3507								
-11				3508								
-12				3509		<i>Seg</i>						
-13				3510								
-14				3511		<i>Seg</i>						
-15				3512								
-16				3513		<i>Seg</i>						
-17				3514		<i>Seg</i>						
-18				3515		<i>Seg</i>						
-19				3516		<i>Seg</i>						
-20				3517		<i>Seg</i>						
358A3-1	Kameji x C.I. 47003			3518		<i>Seg</i>						
-2				3519		<i>Seg</i>						
	<i>Kameji</i>			3520		<i>8/23</i>						

				DATES		PLANT LODG.		DISEASES				
				HEADING	RIPENING	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cerro- spora	White Tip	Enty- loma
				1ST FUL	1ST FU			HARV- ESTED				
358A3-22	Kameji x C.I. 7143	4700		3541	Seg							
-23				3542	Seg							
-24				3543	Seg							
-25				3544	Seg							
-26				3545								
-27				3546	Seg							
-28				3547	Seg							
-29				3548								
-30				3549	Seg							
-31				3550	Seg							
-32				3551	Seg							
-33				3552								
-34				3553								
-35				3554	Seg							
-36				3555	Seg							
-37				3556								
-38				3557	Seg							
-39				3558	Seg							
-40				3559								
	Kameji			3560	promising row P 8/22							

				D A T E S			P L A N T L O G G		D I S E A S E S				
				HEADING	RIPENING	HARV- ESTED	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cercos- spora	White Tip	Enty- loma
				1ST FULL	1ST FULL								
358A3 - 4/ Kamejix ⁴⁷⁰⁰ C.I. 7143				3561	Aug								
-42				3562	Aug								
-43				3563	Aug								
-44				3564									
359A2 - 1 283A2-3 x C.I. 4700				3565	Aug								
-2				3566	Aug								
-3				3567	Aug								
-4				3568	Aug								
-5				3569	Aug								
-6				3570	Aug								
-7				3571	Aug								
-8				3572	8/21							5 seed plant	
-9				3573	8/16								
-10				3574	Aug								
-11				3575	Aug								
-12				3576									
-13				3577	Aug								
-14				3578	8/17								
-15				3579	Aug								
287A2-3				3580	8/20								

[illegible]

				DATE		PLANT LODG.	SHAT.	DISEASES		
				HEADING	RIPENING	HT.	ING	TERING	H.O.	Cerco- White Entry-
				1ST FULL	1ST FULL	(IN.)	%			spore Tip loma
359A2-35 283A2-3 x C.I. 4700				3601	183					
-36				3602	183	183				
-37				3603	183	183				
-38				3604	183	8/22				
-39				3605	183	183			5	
-40				3606	183	183				
-41				3607	183	183				
-42				3608	183	183				
-43				3609	183	183				
-44				3610	183	183				
-45				3611	183	183			10	
-46				3612	183	183				
-47				3613	183	8/22				
-48				3614	183	183				
-49				3615	183	183				
-50				3616	183	8/22				
-51				3617	183	183				
3510A2-1 latex x C.I. 4700				3618	183	183				
-2				3619	183	183				
Latex BR				3620	183	183				

14th pl from 15 used as parent

				DATES		PLANT LODG.		SHAT	DISEASES		
				HEADING	RIPENING	HT.	ING	TERING	H.O.	Cerco-	White
				1ST FULL	1ST FULL	(IN.)	%			spora	Tip
											Enty-
											loma
3510A2-3	Latex	x	C.I. 4700	3621	Aug						
-4				3622	Aug						
-5				3623	Aug						
-6				3624	Aug						
-7				3625	Aug						
-8				3626	Aug						
-9				3627	Aug						
-10				3628	Aug						
-11				3629	Aug						
-12				3630	Aug						
-13				3631	Aug						
-14				3632	Aug						
-15				3633	Aug						
-16				3634	Aug						
-17				3635	Aug						
-18				3636	Aug						
-19				3637	Aug						
-20				3638	Aug						
-21				3639	Aug						
				3640	Aug						

5th plant may be a tetraploid

6th plant from ¹⁵ used as parent in disease cross.

Dr. murr.

C.I. 4700 BR

				D A T E S			P L A N T L O D G.		SHR- TERING	D I S E A S E S			
				HEADING	RIPENING	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Enty- loma
				1ST FULL	1ST FULL								
3510A2-22	Latex x C.I. 4700		3641	100%	100%								
-23			3642	100%	100%								
-24			3643	100%	100%								
-25			3644	100%	100%								
-26			3645	100%	100%								
-27			3646	100%	100%								
-28			3647	100%	100%								
-29			3648	100%	100%								
-30			3649	100%	100%								
-31			3650	100%	100%								
-32			3651	100%	100%								
-33			3652	100%	100%								
-34			3653	100%	100%								
-35			3654	100%	100%								
-36			3655	100%	100%								
-37			3656	100%	100%								
-38			3657	100%	100%								
-39			3658	100%	100%								
-40			3659	100%	100%								
	BR Latex		3660	100%	100%								

				DATES		PLANT LODG.	SHAT	DISEASES		
				HEADING	RIPENING	HT.	ING	TERING	H.O.	Cerco- White Enty-
				1ST FULL	1ST FULL	(IN.)	%			spora Tip ions
3510A2-41	lateX x C.I. 4700			3661	seg				51	
-42				3662	seg					
-43				3663	seg					
-44				3664	seg					
3511A3-1	314A8-2-3-2 x Nira			3665	seg				5-	
-2				3666					5+	
-3				3667					5+	Dr. mura
-4				3668	seg					
-5				3669	seg				seg 51	
-6				3670						
-7				3671	seg					
-8				3672						
-9				3673	seg					
-10				3674	seg				5-10	Dr. mura
-11				3675	8/21					
-12				3676	seg					
13				3677	seg					
-14				3678					seg 5+	
-15				3679	seg					
	314A8-2-3-2			3680						

			D A T E S			P L A N T L O D G		SHAT- TERING	D I S E A S E S		
HEADING	1ST FULL	1ST FULL	1ST FULL	1ST FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.	Cerco- spora	White Tip	Enty- loma
3511A4-1	3/4A8-2-3-2	x Nita	3681	Aug							
-2			3682	Aug							
-3			3683	Aug							
-4			3684	Aug							
-5			3685	Aug							
-6			3686	Aug							
-7			3687	Aug							
-8			3688	Aug							
-9			3689	Aug							
-10			3690	Aug							
-11			3691	8/23							
-12			3692	Aug				5			
-13			3693	Aug				5-10			
3512A2-1	3/4A8-2-3-1	x Sup. Blue Rose	3694	Aug				5-10			
-2			3695	Aug							
-3			3696	Aug				Aug 5-10			
-4			3697	Aug							
-5			3698	Aug				5-10			
-6			3699	Aug				10-15			
		nira	3700	Aug							

				D A T E S			PLANT LODG.	SHAT-	DISEASES				
				HEADING	RIPENING		HT.	ING	TERING	H.O.	Cerco-	White	Enty-
				1ST FULL	1ST FULL		(IN.)	%			spora	Tip	loma
					HARV-ESTED								
3512A2-26	314A8-2-3-1	X	Sup Blue Rose	3721	1875								
-27				3722	1875								
-28				3723	1875								
-29				3724	1875								
-30				3725	1875								
-31				3726	1875	leg							
-32				3727	1875								
-33				3728	1875	leg							
-34				3729	1875								
-35				3730	1875								
-36				3731	1875								
-37				3732	1875								
-38				3733	1875	leg							
-39				3734	1875								
-40				3735	1875	leg							
-41				3736	1875								
-42				3737	1875	leg							
-43				3738	1875								
-44				3739	1875	leg							
	Blue Rose			3740	1875								

				DATES			PLANT LODG.		SHAD.	DISEASES		
				HEADING	RIPENING		HT.	ING		H.O.	Cerco-	White
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING		spora	Tip
35/2A2-45 314A8-2-3-1 x Sup. Blue Rose				3741						10		
-46				3742								
-47				3743	leg						Early plant tagged next to E. and -5	
-48				3744	leg					5-10		
-49				3745						leg 5+		
-50				3746	leg							
-51				3747								
-52				3748	leg							
-53				3749	leg					leg 10+		
-54				3750								
-55				3751								
-56				3752								
-57				3753						leg 5+		
-58				3754	leg							
-59				3755						5		
-60				3756	leg							
-61				3757	leg							
-62				3758								
-63				3759	leg					leg 5+		
314A8-2-3-1				3760								

				DATES			PLANT LODG.		DISEASES						
				HEADING	1ST FULL	RIPENING	1ST FULL	HARVESTED	HT. (IN.)	ING %	SHOOTING	H.O.	Cerco-spore	White Tip	Enty-loma
35/2A2-64 314A8.2-3-1 X Sup. Blue Rose				3761											
-65				3762		leg									
-66				3763											
-67				3764								11/10	5+		
-68				3765								10			
-69				3766											
-70				3767											
-71				3768											
-72				3769											
-73				3770											
-74				3771		leg									
-75				3772		leg									
-76				3773											
-77				3774											
-78				3775											
-79				3776											
-80				3777											
-81				3778											
-82				3779											
				3780											
Blue Rose															

good root, rather 15
select cleaner types

[illegible]

				DATES			PLANT LODG.		DISEASES		
				HEADING	RIPENING		HT.	ING	SHATT		
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING	H.O.	Cerco- spora
											White Tip
											Enty- loma
	</										

				D A T E S			PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Enty- loma
94 H-38	4 C.I. 1645	x C.I. 5309	4733	3841									
-39				3842									
-40				3843									
-41			4737	3844									
-42				3845									
-43		Dis. res.	4743	3846									
-44		Dis. res.		3847									
-45		from Dis. res. row.	4745	3848									
-46				3849									
-47				3850									
-48				3851									
-49				3852									
-50			4750	3853									
-51				3854									
-52				3855									
-53				3856									
-54			4754	3857									
-55				3858									
-56			4757	3859									
		Early Prolifer		3860									

				D A T E S		P L A N T L O D G -		S H A P E		D I S E A S E S			
				H E A D I N G	R I P E N I N G	H A R V - E S T E D	H T. (I N .)	I N G %	T E R I N G	H . O .	C e r c o - s p o r a	W h i t e T i p	E n t o - l o m s
				1 S T F U L L	1 S T F U L L								
34H-57	F.C.I. 1645	x C.I. 5309	4757	3861									
-58				3862									
-59			4760	3863									
-60				3864									
-61				3865									
-62			4765	3866									
-63				3867									
-64				3868									
-65			4770	3869									
-66				3870									
-67				3871									
-68				3872									
-69			4778	3873									
-70				3874									
-71				3875									
-72			4782	3876									
-73			4786	3877									
-74				3878									
-75			4787	3879									
				3880									

Shoemad

				DATES		PLANT LODG.		SHAP- TERING	H.O.	DISEASES		
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		Cerco- spora	White Tip	Enty- loma
34H-76	F.C.I. 1645	x C.I. 5309	4788	3881								
-77				3882								
-78			4789	3883								
-79				3884								
-80			4795	3885								
-81				3886								
-82				3887								
-83			4796	3888								
35X-1	F.C.I. 5398	x C.I. 1962	6172	3889								
-2				3890								
-3				3891								
-4				3892								
-5				3893								
34/A1	Fy Caloto	x Fortuna.	326	3894								
				3895								
				3896								
				3897								
				3898								
				3899								
		Fortuna		3900								

				D A T E S			P L A N T L O D G.		D I S E A S E S					
				HEADING	RIPENING		HARV- ESTED	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cercospora	White Tip	Enty- loma
				1ST FULL	1ST FULL									
F481C x Kameji				331	3941									
					3942									
					3943									
Bulbhead Hybrid Red. F4 Rexoto x Nira				333	3944									
					3945									
					3946									
					3947									
					3948									
					3949									
					3950									
					3951									
					3952									
					3953									
					3954									
					3955									
					3956									
					3957									
					3958									
					3959									
Nira					3960									

				D A T E S			P L A N T L O D G.		D I S E A S E S			
				HEADING	RIPENING	HT. (IN.)	ING %	SHAT- TERING	H.O.	Cercospora	White Tip	Enty- loma
				1ST FULL	1ST FULL							
Fg Imp. Blue Rose x Fortuna 348				3961								
				3962								
				3963								
				3964								
				3965								
				3966								
				3967								
				3968								
				3969								
				3970								
				3971								
				3972								
				3973								
				3974								
				3975								
				3976								

				DATES			PLANT	LODG.	CHAP.	DISEASES		
				HEADING	RIPENING		HT.	ING	TERING	H.O.	Cerco-	White
				1ST FULL	1ST	FULL	(IN.)	%			spora	Tip
							HARV-ESTED					Enty-loma
<u>F3 lines Disease Resistant Selections:</u>												
3512A	F314A8-2-3-1 X SURBlueRose			5201								
				5202								
				5203								
				5204								
				5205								
				5206								
				5207								
				5208								
				5209								
				5210								
				5211								
				5212								
				5213								
				5214								
				5215	20 normal plants! 7 gray clumps							
				5216								
				5217								
				5218								
				5219								
				5220								

				DATES			PLANT LODG.		SHADE TERING	DISEASES
				HEADING 1st FULL	RIPENING 1st FULL	HARV- ESTED	HT. (IN.)	ING %		
3512A	F ₃ , 314A8-2-3-1 x Sup. Blue Rose		5241							
			5242							
			5243							
			5244							
			5245							
			5246							
			5247							
			5248							
			5249							
			5250							
			5251							
			5252							
			5253							
			5254							

250
(54 ^{1/2} ₁₄₆ ^{1/2} ₂₀₀₀)

DATES				PLANT LODG.		DISEASES		
HEADING	RIPENING			HT.	ING	SHAT-		
1ST FULL	1ST	FULL	HARV- ESTED	(IN.)	%	TERING	H.O.	Cerro- spora
								White Tip
								Enty- loma
3513A3-25 F29/6A73-2x Sup Blue Rose				5268				
-26				5269				
-27				5270				
-28				5271				
-29				5272				
-30				5273				
-31				5274				
-32				5275				
-33				5276				
-34				5277				
-35				5278				
-36				5279				
-37				5280				
-38				5281				
-39				5282				
-40				5283				
-41				5284				
-42				5285				
-43				5286				
-44				5287				

				D A T E S		P L A N T L O G G		D I S E A S E S			
				HEADING	RIPENING		HT.	ING	SHAW		
				1ST F L	1ST FULL	HARV-ESTED	(IN.)	%	TERING	H O	Geno- White Enty-
3514A1- 1/529/6A31-S-2 x Sup. Blue Rose											
				5288							
-2				5289							
-3				5290							
-4				5291							
-5				5292							
-6				5293							
-7				5294							
-8				5295							
-9				5296							
-10				5297							
-11				5298							
-12				5299							
-13				5300							
-14				5301							
-15				5302							
-16				5303							
-17				5304							
-18				5305							
-19				5306							
-20				5307							

MISC. Seedings

F₂ populations; Sown following F₁'s Sown; May 4

C.I. 4700 x Rexoro (2 Rows)
(Seed of F₁ sent to Wash.)

C.I. 4700 x Rexoro (6 Rows)
(Seed from Jodon, No. 0299) 47A1

C.I. 4700 x Rexoro (6 Rows)
(Seed from Jodon, No. 0297) 4143A

2916A8 x Imp. Blue Rose (10 Rows)

~~47A3~~ Rexoro x Shoemed (10 Rows)
(Seed from Jodon)

F₂ Population Sown; April 26; on East end of block- following Methods
of Seeding Expt.

C.I. 4700 x Rexoro
(Seed from Jodon)
[No. 0299]

Sown April - 26th

Colchicine Treatments from Washington; Follow Late Prel. Plots on East END of Block

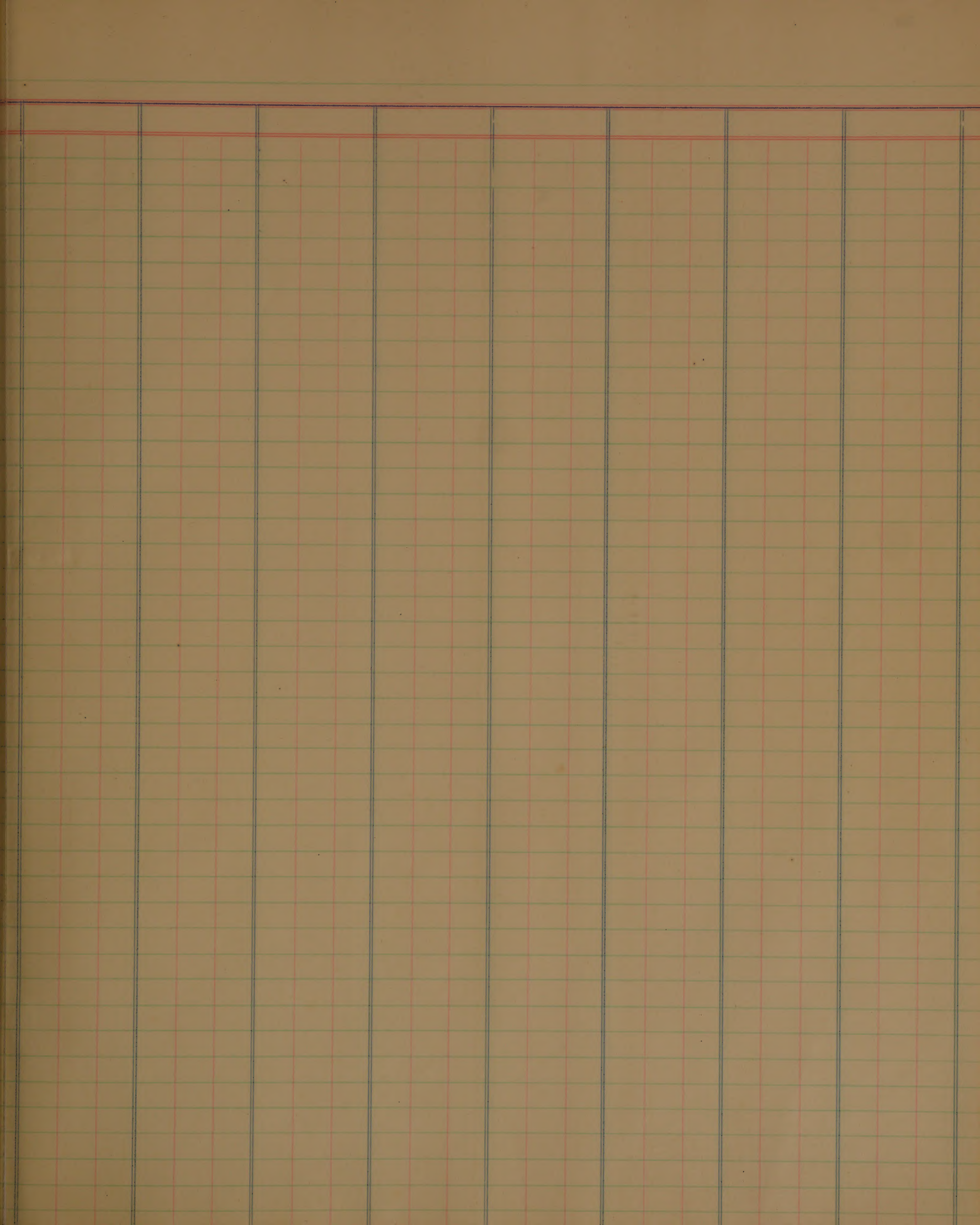
Sup. Blue Rose 0.2% Solution (2 Rows)

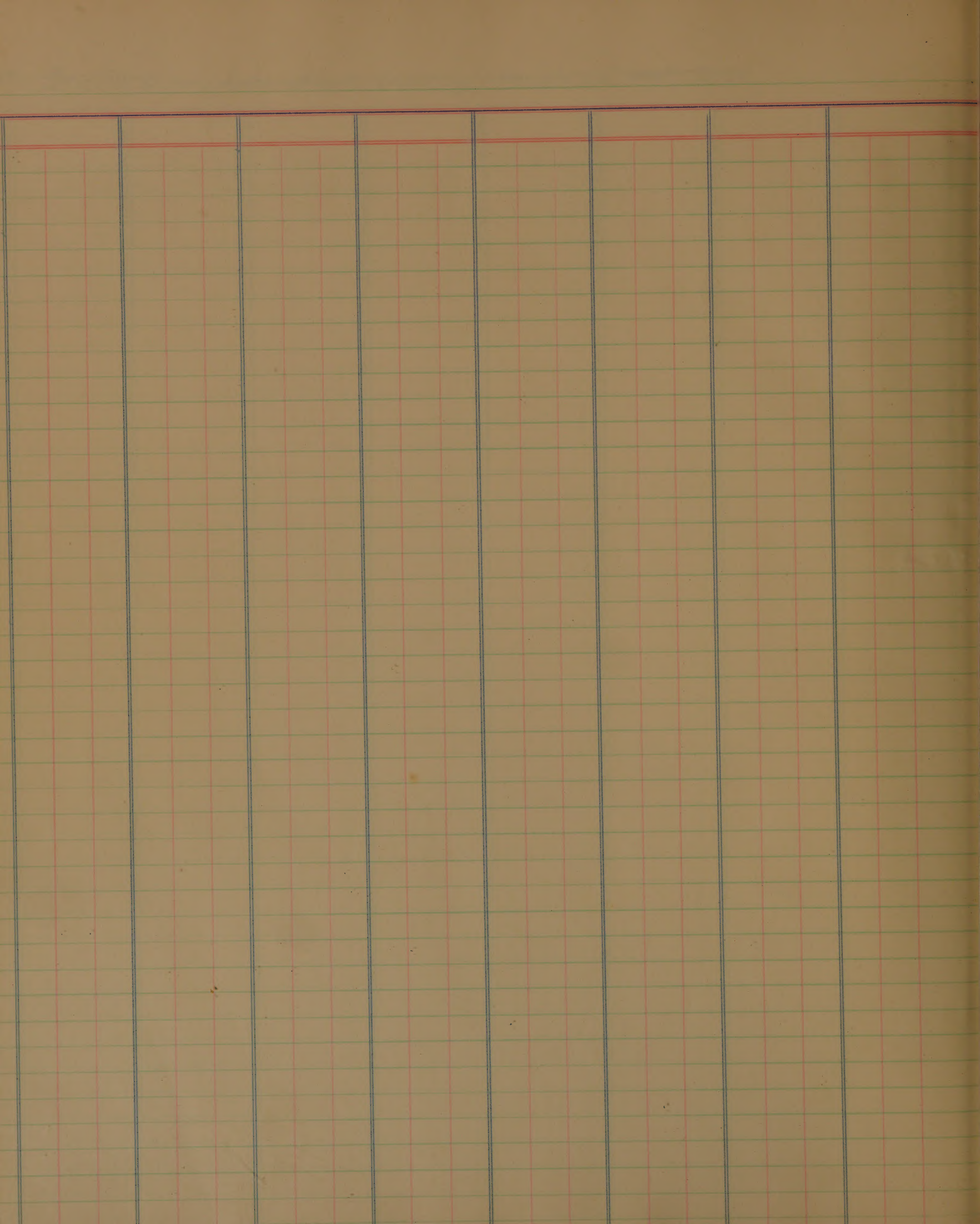
Sup. Blue Rose 0.3% Solution (2 Rows)

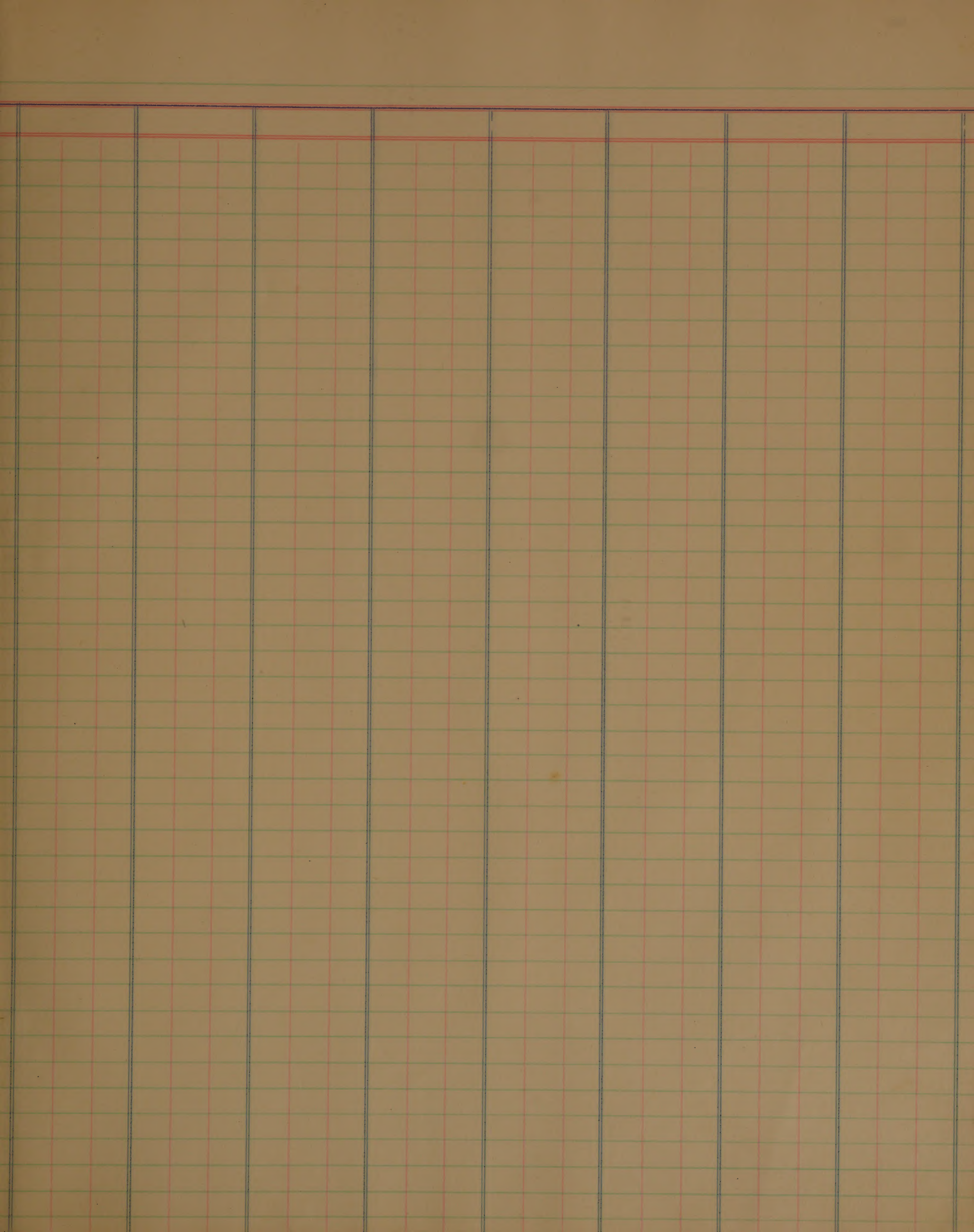
Caloro 0.2% Solution (2 Rows)

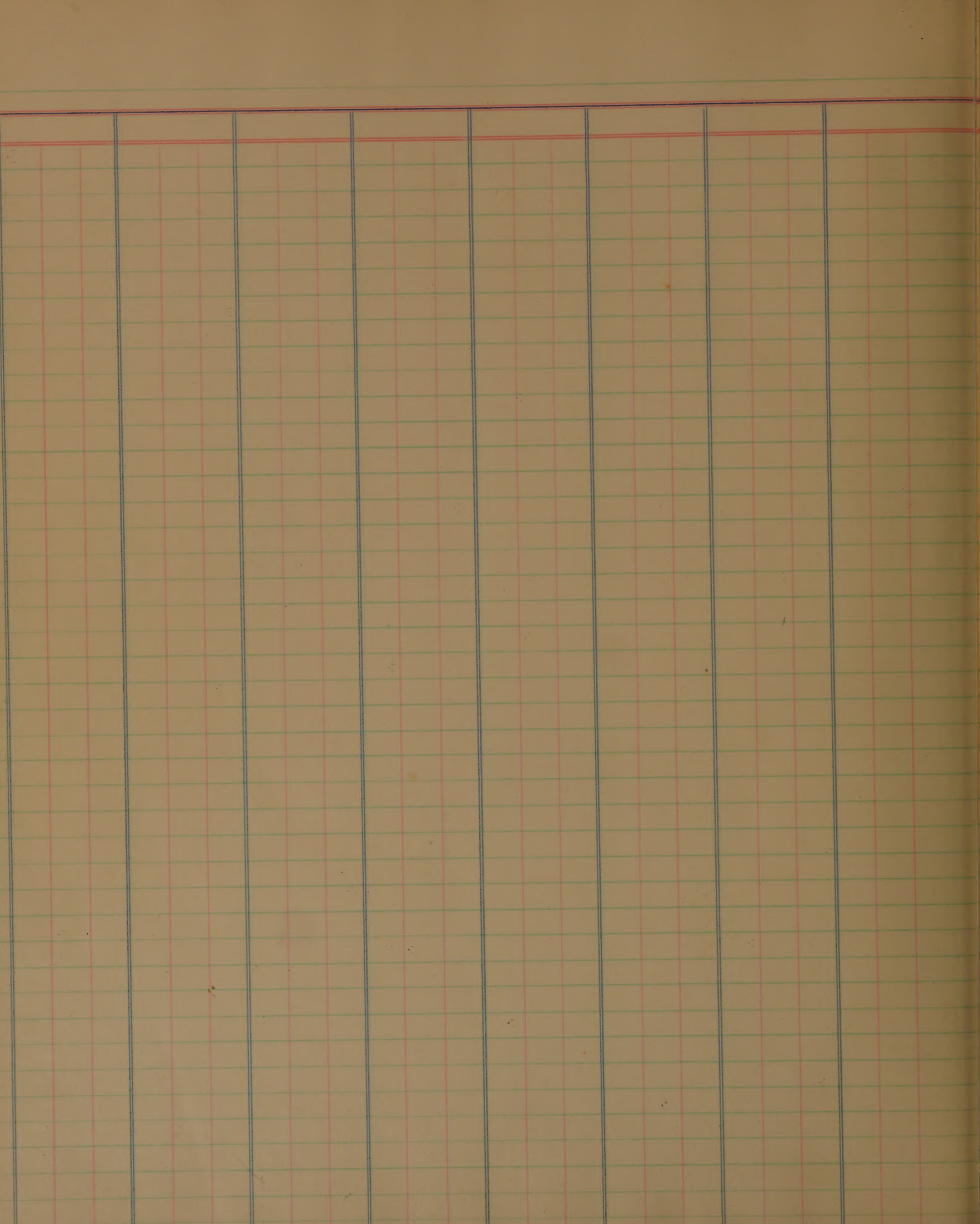
Caloro 0.3% Solution (2 Rows)

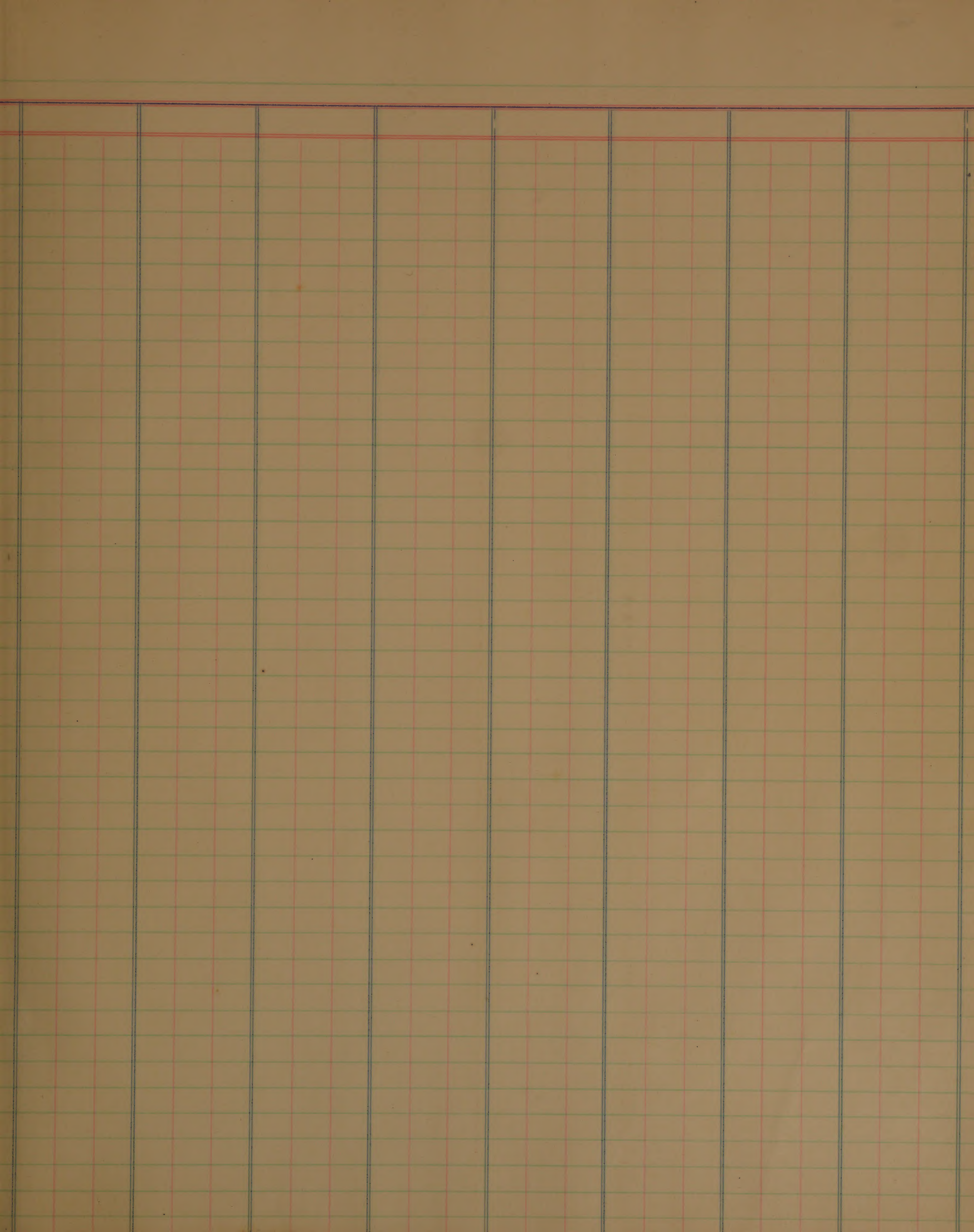
~~Misc. Seedlings on late block following Panicle Sel. Row - 5320~~

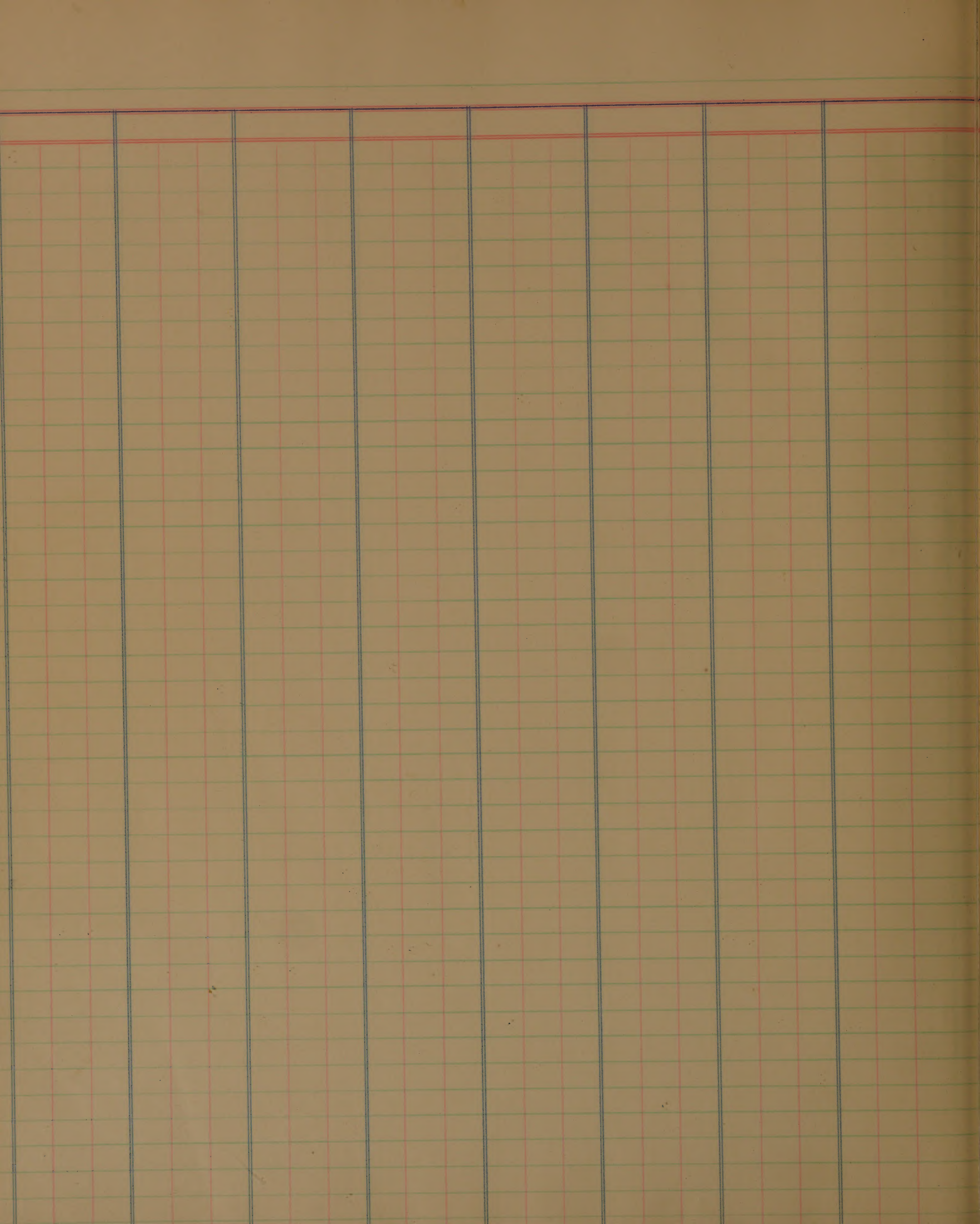


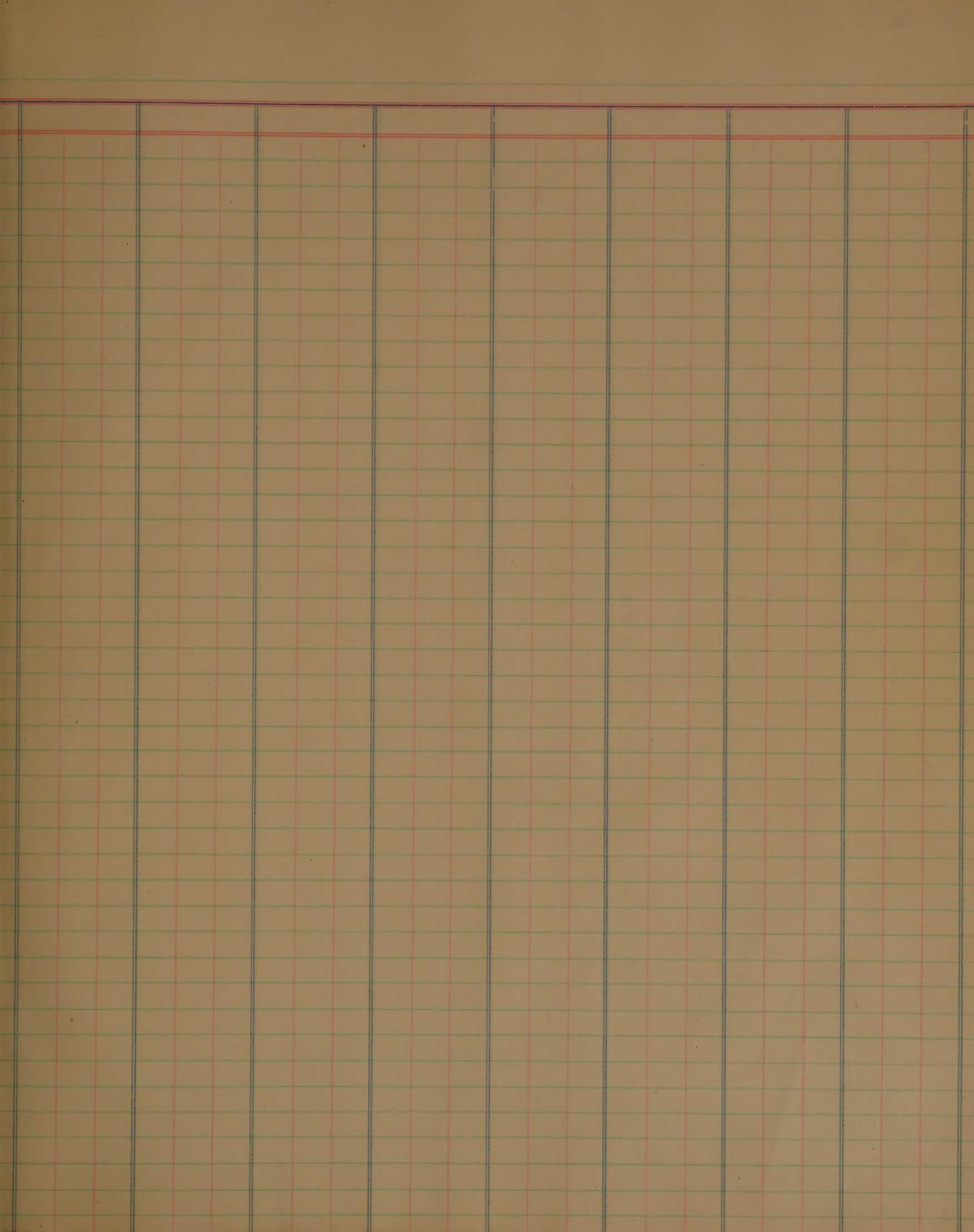


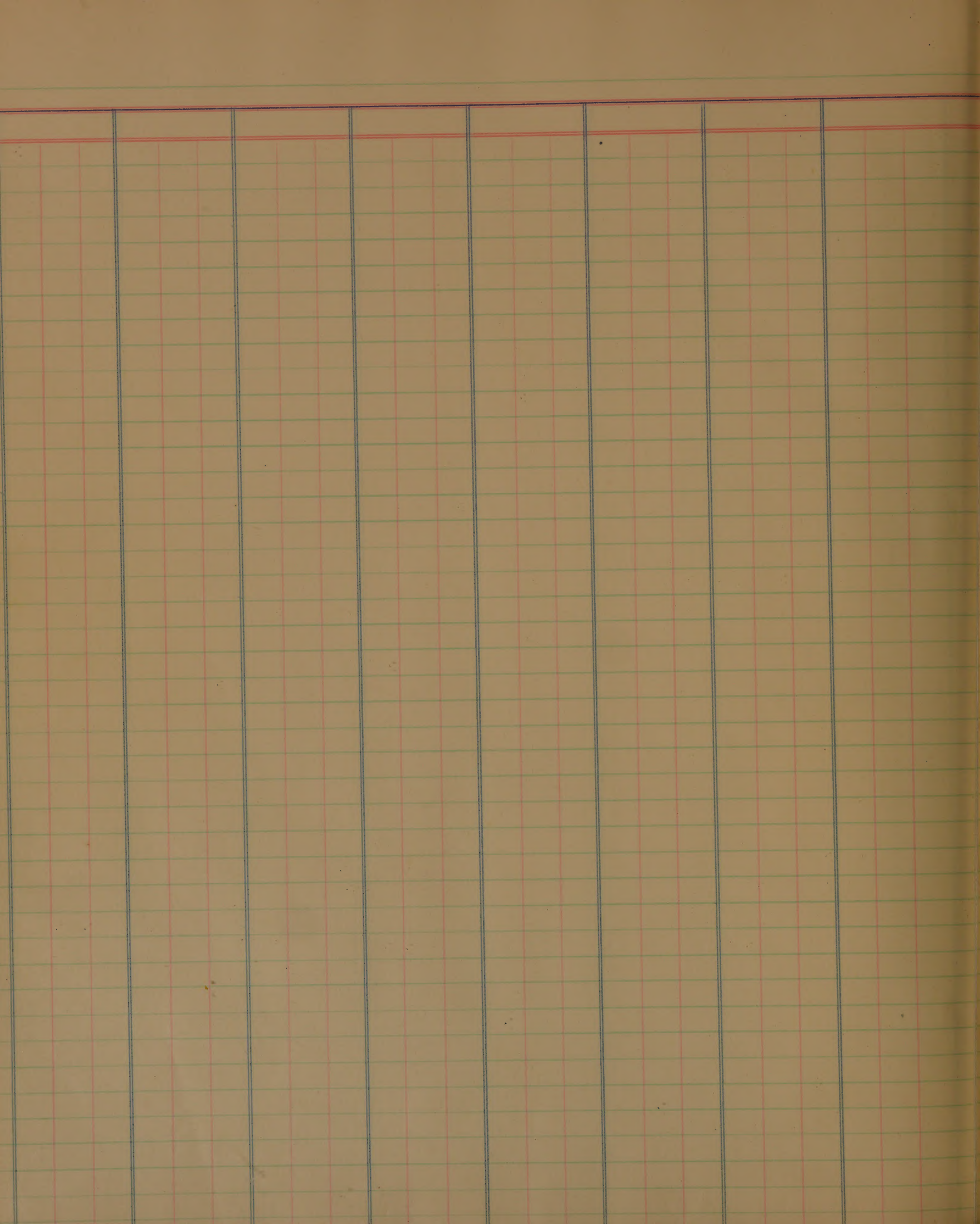


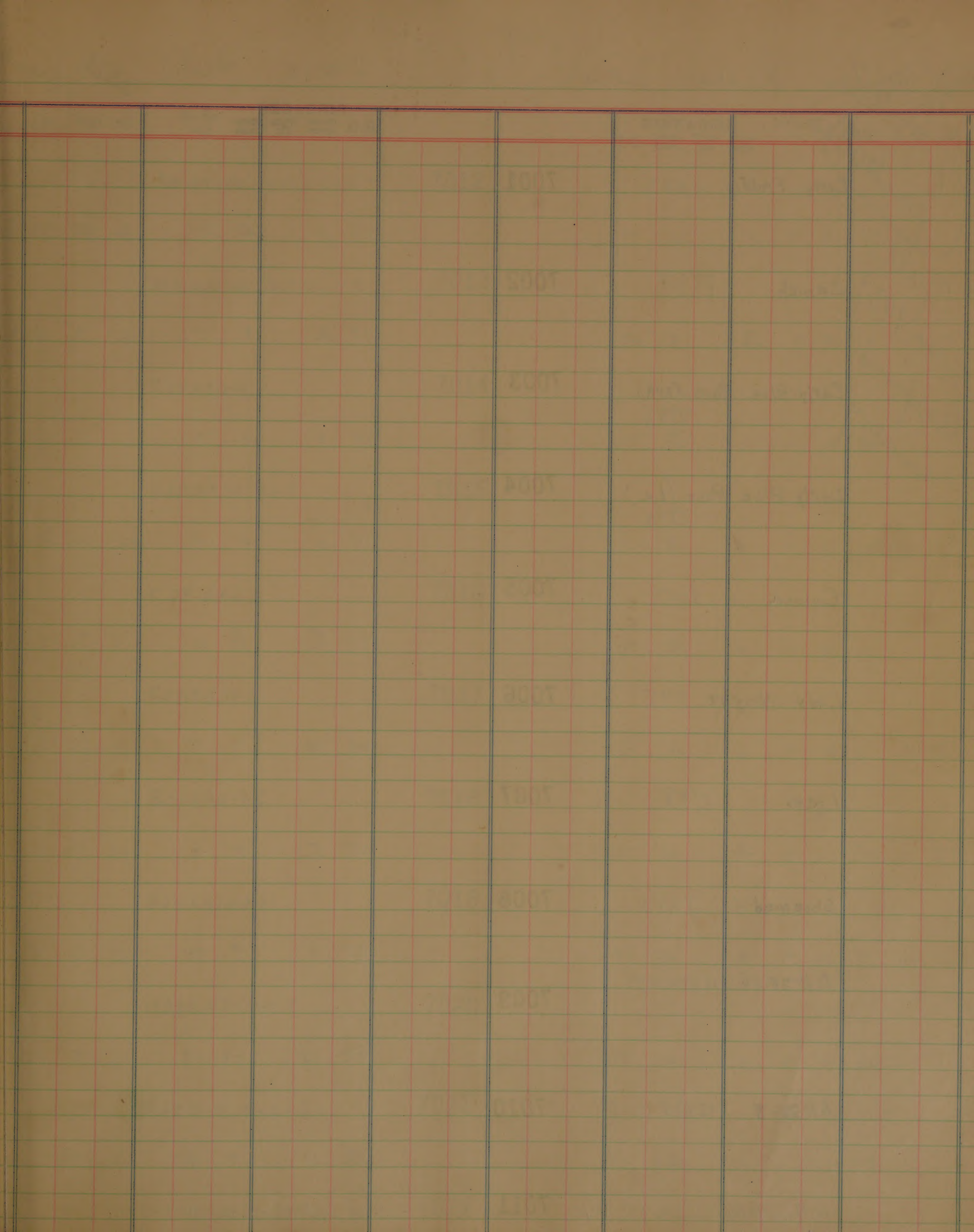












Uni. Disease Mns (3 tags 1-5-10 etc. 7053)

6 packets
of all
in 1939
Uniform
nursery

still
around

				DISEASES					to can	to m
				H.O.	Cerco- spora	White Tip	Enty- loma	Shed Spot		
6 packets of all in 1939 Uniform nursery	Early Prolific	5883	7001		25	10	+	+	to	50 25 to
	Zenith	7787	7002		25	tr	+	+	to	15 20 to
	Early Blue Rose (Ark)	7785	7003		35	5	+	+		20 to
	Early Blue Rose (La.)	7790	7004		35	10	+	+	10	50 20 to
	Colusa	1600	7005		30	tr	tr	0	5	50 10 to
	Lady Wright	5451	7006		45	10	+	+	10	50 15 to
	Latex	7788	7007		25	5	+	+	10	50 15 to
	Shoemed	3625	7008		20	0	+	++	10	0 5 0
	AH 28-24	283A2-4-5	7009		50	15	++	++	10	50 15 to
	AH 28-8	283A5-1-6-1	7010		40	10	+	+	10	50
	AH 29-156	283A15-2-7-2-1	7011		60	tr 5	+	+	10	0

Slit 2127

		DISEASES				Sheet		Worms	
		H.O.	Cercaria spora	White Tip	Enty- loma	Spot	No	No	No
AH 29-111-2920 F132-5-5-6-7	7012								
		40	15	+	+	10	50		
AH 29-128-5912 F134-2-1-3	7013								
		50	0	tr	+	10	0		
C283A3-6-2	7014								
		35	tr	+	+	tr	tr		
C2916A23-3-1	7015								
		50	tr	+	+	tr	tr	10	tr
C2918A2-2	7016								
		50	tr	+	++	tr	10		
C2918A36-2	7017								
		35	tr	+	0	tr	15	10	tr
B283A2-76	7018								
		35	10	++	+	10	50	10	tr
B2916A12-2-1	7019								
		20	20	+	+	10	50	20	tr
B2916A7-3-1-1	7020								
		35	10	+	+	10	50		
B2916A10-4-2	7021								
		35	20	++	+	10	50		
B2917A29-2-2-1-1	7022								
		30	10	++	++	10	50		

					DISEASES				St Spot	Stell		Growth	
					H.O.	Cerco- spora	White Tip	Enty- loma		Ho	cr	Ho	cr
Fortuna 47	1344	7023			40	0	+	tr	10	0	20	0	
Nira 51	2702	7024			30	0	tr	tr	10	0	5	0	
Creole Bred 48		7025			50	0	tr	+	10	75	25	0	
C.I. 4440 46		7026			40	0	+	++	-	-	15	0	
Delitus 42	1206	7027			35	0	+	+	10	25	30	0	
C.I. 4060 45		7028			45	0	+	+	10	0	10	0	
C.I. 461 -		7029			50	0	+	+	tr	5	20	tr	
Calady 40	7786	7030			45	tr	+	0	10	50	25	tr	
Caloro 39	1561-1	7031			35	0	tr	+	5	50	10	0	
AH. 29-19	2914H/8-3-8	7032			45	tr	+	tr	10	50	30	tr	
AH 29-37	2920H/12-6-1	7033			3rd 40	0	+	tr	10	50	10	0	

C 2910A 31-1

7034

C 2914A 6-3-1

7035

C 2914A 6-1-1

7036

C 283 A 9-6-1-2

7037

AL 11-1C

7038

B 283A 9-6-1-2-1-1 (113)

7039

B 283A 3-5-4-1-1-1 (111)

7040

D 2916A 12-1-1-1 (35)

7041

B 2920A 9-9-1-1 (37)

7042

Acadia 1988 (70)

7043

Unnamed Jap (71)

7044

DISEASES
H.O. Carco- White Enty-
spora Tip loma

sh
spot
sh
crown

50 5 0 ++ 5 5 20 tr

45 tr + 0 5 5 25 tr

50 0 + + 5 5 25 tr

35 0 + + 10 0

15 0 + ++ tr tr 6-5 tr

35 tr tr + tr 0 20 tr

40 0 + + 10 25

35 10 ++ + 10 50

40 tr + + 10 50

30 0 tr + 10 25 10 0

35 tr + 0 10 25 10 tr

5793

				DISEASES				shutt		crownly	
				H.O.	Cerco-spore	White Tip	Enty-love	sp	Ho	cer	Ho cer
Blue Rose (74)	1962	7045		35	tr	tr	+	10	50	25	tr
Rexoro (68)	1779	7046		25	0	tr	+	-	-	20	0
C2912A6-1		7047		35	10	tr	+	tr	0	5	tr
C2912A10-1-1		7048		40	tr	+	+	tr	0		
C2912A26-1		7049		40	+	+	+	tr	0	10	tr
B2913A31-2-1-4 (79)		7050		25	tr	+	0	10	25	25	tr
B2911A18-1-1 (73)		7051		30	tr	tr	0	10	0		
B2912A42-2-1-2 (75)		7052		45	0	tr	+	tr	30	20	tr
B2914A36-4-1-1 (96)		7053		40	0	tr	0	10	25		

Long Island, N.Y.

1 tag

			DISEASES				Spit		Cer		Growth	
			H.O.	Cerco-spore	White Tip	Enty-loma	Spit	Ho	Cer	Ho	en	en
4700			3501	7101	15	tr	0					
6750			3502	7102	20			tr	0			
6758			3503	7103	25			"	0			
6858			3504	7104	25			"	"			
7034			3505	7105	15			tr	0			
7044			3506	7106	15			tr	0			
7099			3507	7107	25			"	"			
7143			3508	7108	20			"	"			
7253			3510	7109	35			"	"			
7357			3511	7110	25			tr	0			
7402			3513	7111	20			tr	0			
7414			3514	7112	30			"	"			
B 291A	11-2-1	Edith x Caloro	3520	7113	40			"	"			
B 295A	18-2-2	Edith x Kameji	3522	7114	25			tr	0			
B 295A	18-2-3	do	3523	7115	35			"	"			
B 2911A	18-1-1	Kameji x Honduras	3524	7116	30			"	"			
S 293A	59-6-2-7	Aikoku x Edith	3527	7117	30			"	"			
S 59-6-7-1			3528	7118	35			"	"			
S 59-6-7-3			3529	7119	40			"	"			
S 59-6-7-5			3530	7120	40			"	"			
S 45-4-5-2			3534	7121	40			"	"			
S 45-4-5-3			3535	7122	40			"	"			
S 45-4-5-5			3537	7123	40			"	"			
S 45-4-5-6			3538	7124	30			"	"			
S 45-4-5-7			3539	7125	40			"	"			
S 48-5-1-2			3541	7126	40			"	"			
S 2911A	1-3-1-1	Kameji x Honduras	3543	7127	20			"	"			
S 1-3-1-2			3544	7128	20			"	"			
S 1-3-1-3			3545	7129	30			"	"			
S 1-3-1-6			3546	7130	20			"	"			
S 2911A	1-4-1-2	Kameji x Honduras	3547	7131	25			"	"			
S 2920A	42-3-9-6	Imp. Blue Rose x Fortune	3548	7132	40			"	"			
S 42-3-9-7			3549	7133	40			"	"			
B 314A	8-2-1-1	Storm Proof x Spain Jap	3550	7134	20	30	nipped	tr	10			
"	8-2-1-2		3551	7135	tr	15	5	0	0	0	tr	0
"	8-2-1-3		3552	7136	tr	15	tr	0	0	0	"	0
"	8-2-1-4		3553	7137	5	20	5	0	0	tr	"	0
"	8-2-1-5		3554	7138	tr	15	tr	0	tr	0	"	0
"	8-2-1-6		3555	7139	tr	25	tr	0	tr	tr	"	0
"	8-2-1-7		3556	7140	tr	15	tr	0	tr	tr	"	0

35/9/6

9/6/6

nipped

				DISEASES													
				H.O.	Cerco- spora	White Tip	Enty- loma	St. Spot	Hs	cr	Hs	cr					
				No on apple													
B	3/4A	8-2-1-8	3557	7141	5	20	5	0	tr	tr	-	-					
		8-2-1-9	3558	7142	10	25	5	0	tr	tr	-	-					
		8-2-2-1	3559	7143	10	25	5	0	tr	+	-	-					
		8-2-2-2	3560	7144	5	25	tr	0	tr	0	-	-					
		8-2-2-3	3561	7145	10	30	tr	0	tr	0	-	-					
		8-2-2-4	3562	7146	5	25	tr	0	0	0	-	-					
		8-2-2-5	3563	7147	10	25	tr	0	0	+	-	-					
		8-2-2-6	3564	7148	5	30	tr	0	tr	+	tr	0					
		8-2-2-8	3565	7149	tr	20	tr	0	tr	+	11	11					
		8-2-3-1	3566	7150	5	30	tr	0	tr	+	11	0					
B	314A	8-2-3-2 Storm Proof X Spain Jap	3567	7151	5	25	tr	0	0	+							
B		8-2-3-4	3568	7152	5	30	tr	0	tr	+	tr	0-5					
	283A	4-1-3-1-1 Edith X Fortuna	3569	7153													
		4-1-3-1-2-1	3570	7154													
		4-3-7-1-1-1	3571	7155													
		4-3-7-2-2-1	3572	7156	0	15	5	0	tr	0							
	292A	4-1-1-1-1 Colusa X Edith	3573	7157													
	294A	11-4-2-1-1 Butte X Edith	3574	7158													
		11-4-3-1-1	3575	7159													
	295A	3-6-1-1-1 Edith X Kameji	3576	7160													
		13-1-1-1-1	3577	7161													
		25-4-1-1-1	3578	7162													
	297A	21-1-2-1-1 Colusa X Delitus	3579	7163													
		21-1-2-1-2	3580	7164													
		21-1-2-2-1	3581	7165													
		21-1-3-1-1	3582	7166													
	2910A	7-1-1-1-1 Delitus X Caloro	3583	7167													
		26-1-3-1-1	3584	7168													
B	2911A	28-2-1-1-1 Kameji X Honduras	3585	7169													
B	2912A	2-2-2-1-1 Kameji X Blue Rose	3586	7170													
B	2919A	34-3-1-1-1 Honduras X Blue Rose	3587	7171													
B		Colusa X Lady Wright 31135-1	3588	7172													
S	2912A	9-2-2 Kameji X Blue Rose	3589	7173													
S		9-2-8	3590	7174													
S		11-6-5	3591	7175													
S		15-1-8-1	3592	7176													
S		15-1-8-2	3593	7177													
S		15-1-8-3	3594	7178													
S		15-1-8-4	3595	7179													
S		15-1-8-6	3596	7180													

Shull

crp

Bad

Bad

good

suball
crowley

				DISEASES					
				H.O.	Cerco-spore	White Tip	Enty-toma	cer	Ho
29/2A									
S	15-1-8-8		3597	7181	45				
S	15-2-7-2		3598	7182	45				
S	15-2-7-4		3599	7183	50				
S	15-2-7-5		3600	7184	55				
S	15-2-7-6		3601	7185	50				
S	15-6-5-4		3602	7186	50				
S	15-6-5-5		3603	7187	40				
S	15-6-5-7		3604	7188	50				
S	15-6-5-8		3605	7189	50				
S	15-6-11		3606	7190	50				
S	29/2A34-2-8-2	Kameji X Blue Rose	3607	7191	50				
S	34-2-8-6		3608	7192	50				
	34-2-8-8		3609	7193	60				
From Stuttgart				7194	45				
	2914A18-3-8-7	AH 29-139		7195	50			15	0
	2912A15-1-8-1-6	29-58		7196	50			25	0
	2912A15-1-8-1-8	29-59		7197	50			20	0
	2912A15-1-8-1-4	29-56		7198	40			15	0
	2912A17-2-6-8-1	29-55		7199	40			10	0
	2920A20-6-1	29-40		7200	50			5	0
	2914A18-3-8-13	29-140		7201	40	tw		tw	0 5 tw
From Crowley				7202	30	"		tw	5 20 tw
	C297A9-1-2-1	COxD		7203	30	"		tw	10
	AL5-1C, IxBR			7204	20	"		5	0
	AL5C, IxBR	2601		7205	35	"		tw	20 10 tw
	C299A25-4-1	CAxH		7206	40	"		tw	25 25 tw
	C2917A14-1	BRxCG		7207	30	0		tw	0 10 0
	C220B3-1	BRxN		7208	20	0		tw	0
	C321A3	RxJ005		7209	40	0		tw	0 15 0
	C295A33-1-2	ExH		7210	35	0		tw	0 10 0
	C295A38-1-2	ExH		7211	35	tw		tw	5
A.H	29-149-1	Kameji X Blue Rose		7212	40	tw		tw	10
	29-149-2	" " "		7213	25	"		tw	0 tw?
	29-151-1	" " "		7214	35	"		tw	tw
	29-151-2	" " "		7215	40	0		tw	0
	29-152-1	" " "		7216	40	0		tw	0
	29-152-2	" " "		7217	60	0		tw	0
	29-153-1	" " "		7218	60	0		5	0
	29-153-2	" " "		7219	50	0		tw	0
	29-153-3	" " "		7220	50	0		5	0
	29-154-1	" " "							

not a good one 4700
7140
bad
from H.O.

A.H.

29-155-1	Kameji X Blue Rose	7221
29-158-1	" " "	7222
29-159-1	" " "	7223
28-6-1	Edith X Fortuna	7224
28-9-1	" "	7225
28-22-1	" "	7226
28-26-1	" "	7227
29-3-1	Edith X Caloro	7228
29-19-1	Caloro X Blue Rose	7229
29-35-1	Improved Blue Rose X Fortuna	7230
29-38-1	" " " "	7231
29-39-1	" " " "	7232

DISEASES

H.O.

Cercospora

White Tip

Entry-locks

No

cu

4C-17

16

7233

20

7234

49

7235

52

7236

56

7237

58

7238

67

7239

80

7240

83

7241

98

7242

99

7243

102

7244

103

7245

110

7246

118

7247

120

7248

122

7249

124

7250

138

7251

140

7252

146

7253

157

7254

181

7255

192

7256

198

7257

200

7258

240

7259

244

7260

Bad but good yield

4C-17-243

7261

DISEASES

H.O. Cerco- White Enty-
spora Tip loma

Sheet

Grubbing

		H.O.	Cerco- spora	White Tip	Enty- loma	No tr	cer 30	No tr	cer
		40							
248	62	45				"	0		
252	63	45				"	25		
323	64	35	sheath spit			5	5		
325	65	30				tr	0		
326	66	35				tr	0		
330	67	25				tr	5		
332	68	25				tr	0		

368

Same for disease resistance

4092
4138 for Ho loma
4164
4207
4208
4550
4552
4663
4666
67
70
72
80
4699
4734
4761

268
200
22
467

9-10-11-13

Crosses attempted (Crossed seeds in glassine bag parent seed in envelope (kraft))

✓ Calady x E.P. #6 No 9/3 ✓ - 7/30	✓ Caloro x 7 No 9/3 8/5 24/A (E) 31-2X E.P. #6 - 8/9
✓ Calady x 7 No 9/3 (one seed) ✓ - 8/5	✓ Caloro x 8 No 9/3 8/5 X High-6 - 8/9
✓ Calady x 8 No 9/3 ✓ - 8/5	✓ Caloro x 14 No 9/3 8/6 24/A Pl 51-2X High-9 - 8/9
✓ Calady x 14 No 9/3 ✓ - 8/6	✓ Caloro x 15 No 9/3 8/6 24/A Pl 31-2X High-7 - 8/9
✓ Calady x 15 No 9/3 ✓ - 8/6	✓ Caloro x 12 No 9/3 - 8/8 X " 8 - "
✓ Calady x 12 No 9/3 ✓ - 8/8	✓ Caloro x 16 No 9/3 - 8/8 X " 10 - 8/20
✓ Calady x 16 No 9/3 ✓ - 8/8	Caloro x 6 No 9/4 - 8/17 X " 11 - 8/20
Calady x 6 No 9/4 ✓ - 8/18	Caloro x 9 No 9/4 - 8/17
Calady x 9 No 9/4 ✓	Caloro x 10 No 9/4 8/17
Calady x 10 No 9/4 ✓ 8/18	Caloro x 11 No 9/4 - 8/17
Calady x 11 No 9/4 ✓	Caloro x 13 No 9/4 - 8/17
Calady x 13 No 9/4 ✓ 8/18	F ₁ (Blue x EP) x F ₁ (Caloro x Calady) 2 pan 8/20 No - 9/20
Calady x 5 No 9/4 ✓	Blue Rose emasculated (6) 8/22
Calady x 1 - ? 8/18	1 fertilized with Bl. Rose 8/24 - 20 sterile: 17 seeds
	" " 8/25 - 27 sterile: 1 seed (mild tip Pan)
	" " 8/26 - 28 sterile: 13 seeds
	" " 8/27 - 29 sterile: 7 seeds
	" " 8/29 - 48 " : 2 "
	" " 8/30 - 32 " : 2 "
	Row 3822 x (Row 2735) 8/23 No 9/6 3811A (5309 x 1645) (HP x HP) x BK
	Row 3822 x A 11 8/23 No 9/6 - 3812A (5309 x 1645)
	Row 2734 (HP x HP) x BK x A 11 8/24 OK No 9/6 3813A
381A Blue Rose x Zinnia No 9/22 8/24	⊙ " x 3609 (20A x 10A) 8/24 OK No 9/6 3814A
382A " x Shimmered No 9/22 8/24	⊙ " x 3622 (Caloro x 10A) 8/24 no seeds - 3815A
383A " x 4440 No 9/22 8/24	⊙ " x 3371 (30A x 171A) 8/24 No 9/16 3816A
384A " x Lady Wright No 9/22 8/24	⊙ 3622 x 3822 8/25 No 9/16 3817A
385A " x F ₁ Caloro Calady (2 pan) No 9/22 8/24	⊙ 3622 x 3371 8/25 No 9/16 3818A
386A (Blue x Rex) x (Calady x Blue Rose) - 2 pan No 9/22 8/24	⊙ 3371 x 3822 8/25 seed lost before No. - 3819A
387A (Caloro Calady) x Caloro - 2 pan " No 9/22 8/24	⊙ 3622 x 2734 - 8/30 No 9/22 3820A
388A (Caloro Calady) x Caloro - 2 pan No 9/22 8/24	⊙ 3622 x 3371 - 8/30 No 9/22 3821A
389A (Caloro Calady) x Calady - 2 pan No 9/22 8/24	⊙ 3622 x 3822 - 8/30 No 9/22 3822A
(Blue x EP) x (Caloro x Calady) - 1 pan No 9/20 - 8/20	⊙ 3371 x 2734 - 8/30 No 9/14 3823A
	⊙ 3371 x 3822 - 8/30 No 9/14 3824A

Heat treatments (hot water)

8/24 Blue Rose - 1 pan. treated 1 hr at 39° Nov 10/7
 8/24 " 1 pan. " 2 hrs. at 39° Nov 10/7
 8/24 " 1 pan. " 3 " 39° (38.5° at end of treatment) Nov 10/7

8/25 Blue Rose - 1 panicle treated 1 hr at 41° Nov 10/7
 " " " 2 hrs at 41° Nov 10/7
 " " " 3 hrs at 41° (temp 40° at end of treatment) failed to develop panicle

8/26 Blue Rose - 1 panicle treated 1 hr and 20 min at 44° Nov 10/7 per seeds
 " " " 2 hrs at 44° Nov 10/7 (no seeds developed, pan emerged, flowering)
 " " " 3 hrs at 44° (41.5° at end of treatment) Nov 10/7, per seeds.

✓ 7, Caloro x Bl Rose, 7, Caloro x Calady (1 pan)	8/29	Nov 9/22 3825A
✓ 7, (Caloro x Bl Rose) x Caloro - 2 pan	8/29	Nov 9/22
✓ 7, Calady x Bl Rose x Calady - 1 pan	1/29	Nov 9/22

7, Caloro x Calady x 7, Caloro x Bl Rose 1/3 (2-pan) no seed set.

2734 - 3512A1-3-1 (3/4A8-2-3-1)
 2735 - 3512A1-3-2 (1/4A8-2-3-1) x BR
 3371 - 355A2-16 283A2-3 x C.I. 7/143
 3622 - 3510A2-4 (1/4A8-2-3-1) x 4700
 3822 - 34H-20 (1/645 x 5309)
 3609 - 359A2-43 (283A2-3 x 4700)



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Cooking tests

Crawley Number (1938)	Variety or Selection Number	Cooking Quality
✓151	S 2912 A 15-2-7-2-1	Partly
✓152	S 2912 A 34-2-1-3	Partly
✓158	Shoemed	Fairly Flakey
✓168	Caloro	Somewhat Partly
✓171	C 2914 A 6-3-1	Partly
✓170	C 2914 A 6-1-1	Partly
✓155	Creole Bread	Partly
✓156	C 2 4440	Flakey (best)
✓159,	S x F A L 11-1	Fairly Flakey
✓157	C 2 4060	Flakey
✓154	Nira	Flakey (best)
✓162	Delitua	Flakey
✓167	C 2910 A 31-1	Slightly Partly
✓169	Calady	Partly
✓179	B 2913 A 31-2-1-4	Partly (worst)
✓184	C 2910 A 10-1-1	Partly
✓153	Fortuna	Flakey
✓163	C 2 461	Flakey ✓
180	B 2914 A 36-4-1-1	Partly
✓185	C 2912 A 26-1	Partly

215	-	48.71	-	135.37	-	13.3 ✓	
178	-	49.08	-	134.95	-	14.1 ✓	
319	-	49.07	-	136.65	-	12.4 ✓	
371	-	49.41	-	136.80	-	12.6 ✓	
391	-	49.40	-	136.85	-	12.6 ✓	
216	-	50.25	-	136.82	-	13.4 ✓	
56	-	49.13	-	133.25	-	15.9 ✓	
210	-	49.85	-	136.82	-	13.0 ✓	
354	-	49.41A	-	136.22	-	13.2 ✓	
407	-	48.75	-	136.77	-	12.0 ✓	
190	-	50.49	-	138.27	-	12.2 ✓	
461	-	49.725	-	137.10	-	12.6 ✓	
401	-	51.45	-	141.18	-	10.3 ✓	
383	-	50.52	-	141.40	-	9.12 ✓	
361	-	48.831	-	135.45	-	13.4 ✓	
185	-	50.05	-	135.60	-	14.5 ✓	
454	-	49.55	-	135.69	-	13.9 ✓	
344	-	49.79	-	136.77	-	13.0 ✓	
220	-	49.685	-	135.175	-	14.5 ✓	
370	-	49.79A	-	133.92	-	15.9 ✓	
105	-	49.21	-	134.80	-	14.4 ✓	
213	-	52.20	-	137.52	-	14.7 ✓	
412	-	48.45	-	130.30	-	18.2 ✓	
303	-	48.36	-	113.90	-	14.5 ✓	

12"

15

12

11/3

1

13

12

12

12

12

12

12

12

12

12

6' 8

16

6.66

11

255
255
1.72

1.31

280

255

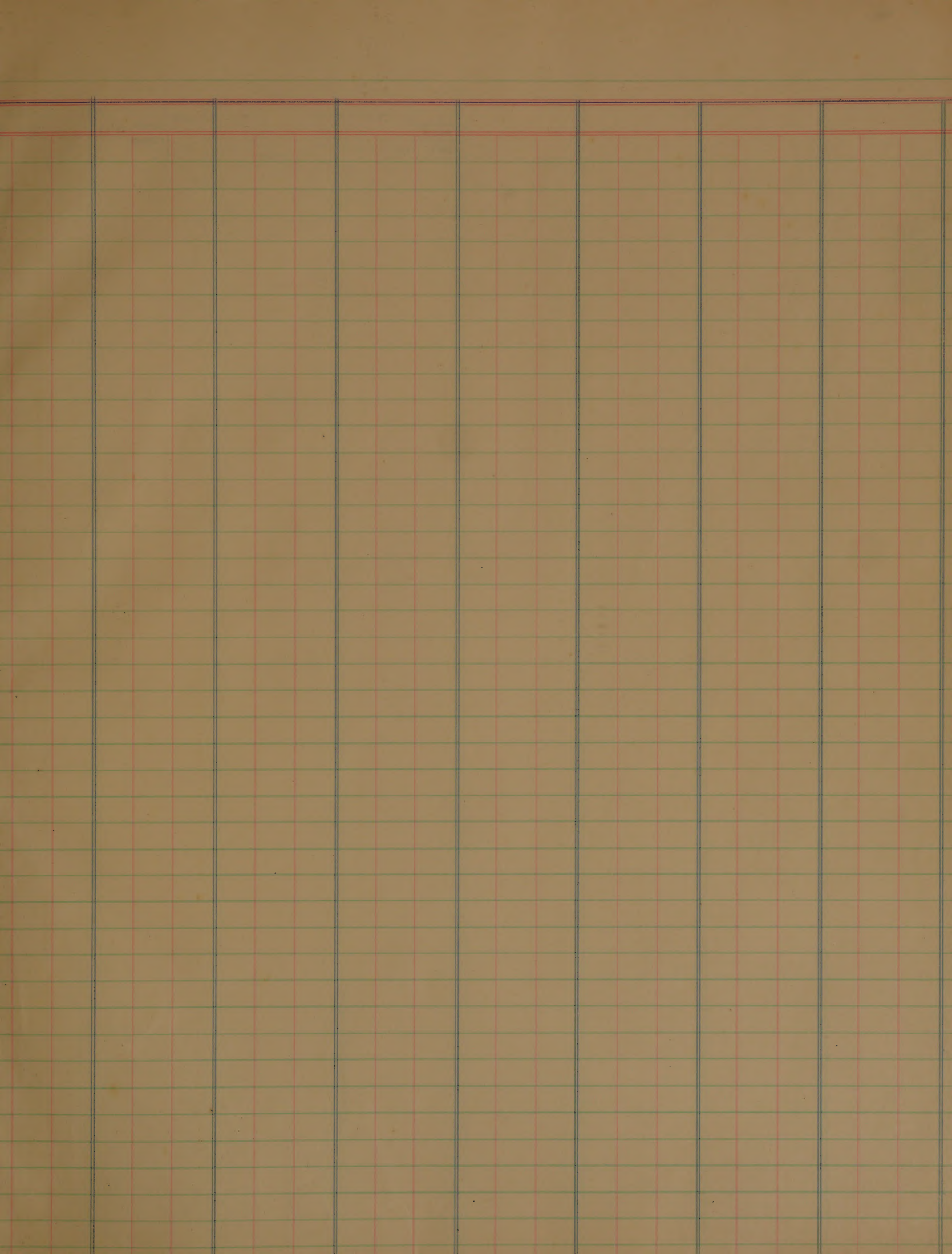
40 : 10.6 !! x 14

14
160
40
590.6

= 580

2.8

53
1.72



EARLY ADVANCED NURSERY

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	SOURCE	DATES				PLANT LODG.	SHAT-TERING	DISEASES		
				HEADING 1st FULL	RIPENING 1st FULL	HARVESTED	H.O.			Cercospora	White spot	Early blight
	1600	Colusa	1	1	7/26 8/5	8/17 8/29	36	2nd	20	tr	tr	
					3							
					13							
					17							
		Early Prolific, 3214	2	4	2 8/5 8/13	8/24 9/3	41		25	+	++	
					14							
					8							
					11							
	7727	Zenith	3	3	8/5 8/12	8/19 9/1	37		15	tr	tr	
					22							
					19							
					7							
		B2916A7-3-1-1, ExBR	4	32	4 8/7 8/12	8/23 9/3	41		15	+	+	
					17							
					12							
					13							
		B2916A10-4-2, ExBR	5	163	5 8/4 8/12	8/20 9/3	40		20	+	+	
					11							
					18							
					22							
		B2917A29-2-2-1-1, BRxCG	6	178	6 8/7 8/13	8/23 9/3	41		20	+	++	
					18							
					5							
					21							
19887	7785	Early Blue Rose, ATK	7	2	7 8/3 8/11	8/24 9/3	38		25	+	++	
					20							
					9							
					15							
	7790	La. Early Blue Rose	8	3	8 8/1 8/9	8/20 9/3	35		20	+	++	
					13							
					14							
					6							

grains

KL

vol.
ener
%not
smoking
% qualitynothing sample
can be

6

340

318

279

328

1255 42.1 1898

43 74.3 76.4 tr (1) 210 sl. dull 212 very party 101

good growth

319

266

285

384

1252 41.7 1898

35 74.9 76.2 tr (3) 190 opaque 208 party, shy odor 02

very good, uniform lit.

8

330

322

279

357

1286 42.7 1892

44 74.5 76.5 0.8 230 clear 220 Party 103

looks very good in 2nd & 3rd.
only fair in 3rd, rather short
very good in 4th

4

290

262

254

310

1116 32.2 1674

43 74.9 76.2 0.2 200 dull 184 med. party 104
sl. shy odorgood. Looks very much
like E.P. 3214 but stream is
a little lighter & less even

13

302

274

318

370

1264 42.1 1896

42 73.3 75.2 0.4 190 opaque 200 med party 108
shy odorlooks quite promising,
although looks a little short.

7

293

294

262

380

1224 40.9 1844

44 76.0 76.7 0.2 210 sl. dull 204 med party 109
sl. shy odor

looks quite promising

10

287

279

276

331

1173 39.1 1760

43 72.0 74.7 tr (1) 190 opaque 204 party 111

not as good as E.P. 3214

12

187

172

208

229

196 26.5 1194

35 68.9 72.0 0.2 180 opaque 188 Party 112
shy odor

Poor, short stream & under

22

16

235

259

238

336

1068

35.6 1602

264

228

258

321

1071

35.7 1607

298

296

293

333

1270

40.6 1830

336

340

338

487

1501

50.0 2252

252

253

295

316

1116

37.2 1674

292

315

305

341

1253

41.7 1880

184

192

217

273

866

28.8 1249

250

327

342

362

1281

42.7 1922

49 75.1 78.1 0.8

200

sl. dull

188

flaky

113

v. good

43 75.3 77.3 tr (1)

200

sl. dull

188

Pasty

115

41 72.4 76.9 0.2

180

sl. dull

204

Pasty

116

41 74.3 77.3 tr (1)

180

sl. dull

212

med. pasty

117

42 72.5 75.8 0.3

210

sl. dull

196

med. pasty

118

sl. ody. odor

42 75.4 78.8 tr (1)

210

sl. dull

204

sl. pasty

119

40 70.1 76.9 tr (1)

190

dull

188

med. pasty

120

43 74.5 76.9 0.3

220

sl. dull

220

Pasty

122

sl. ody. odor

mud sample
cont no

Very good looking plot.

Only fair

good looking, taller than
h. Wright & appears to have
more grain.Very good plot, uniform
for appearance & P.W. looks to
be heaviest EV line in testRetention clear, very nice but
grain yield does not appear to be
very heavy.Very good, all of better
looking, EV 7 sl. in test,
not as good as 2-7-6.Only fair, short straw
short panicleFairly good, about same
as h. Wright but more grain.

Very good in 4th

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAY TIERING	DISEASES			
				HEADING 1ST FULL	RIPENING 1ST FULL		HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Early loss

C2910A23-3-1, ~~Am~~ DxCA

17

Crowley
La.

17 8/9 8/19 8/29 9/5
4
10
20

35

25 0 0

C2918A2-2, BRxD

18

Crowley
La.

18 8/9 8/17 8/28 9/4
1
16
4

40

20 tr tr

C2918A36-2, BRxD

19

Crowley
La.

19 8/10 8/19 8/28 9/6
8
1
16

39

20 tr tr

S2912A15-2-7-2-1, KxBR.
(AH-29-156)

20

Stutt
ark.

20 8/19 8/27 9/20
7
17
10

42

20 0 0

S2912A34-2-1-3, KxBR
(AH-29-128)

21

Stutt
ark

21 8/16 8/25 9/20
2
15
12

42

20 0 0

S2920A32-5-5-6-7JBRV3
(AH-29-111)

22

Stutt
ark

22 8/2 8/11 8/21 9/2
10
6
2

39

25 + +

Disc

Disc

Unic

Disc

Unic Mid

Unic Early

208

229

237

20

300

974

32.4 1461

39 66.9 74.2 0.4

200 clear 204 med. party 123

Rather leafy, but short buds
not promising

218

263

207

19

288

976

32.5 1464

43 69.1 72.1 0.6

230 sb. dull 228

med. party - flowered good stream, panicle rather
 Del. flavor. eight
 more flower at
 But then at 124.
 Crowley not suitable

225

250

284

17

306

1065

35.5 1598

4.4 70.6 74.6 0.5

220 clear juv. 224 Party 125

open center

Fairly good, leafy, but buds
too short

252

256

235

18

301

1044

34.8 1566

44 52.9 77.6 tr(1)

220 clear 184 Party 126

sun check ++

Poor, early fair, too late
for early group

317

350

276

2

361

1304

43.4 1956

40 75.1 77.9 tr(2)

190 clear 184 Party 127

342

269

233

3

443

1287

42.9 1931

35 70.4 74.5 0.3

210 clear 208 med. party 129

V. sb. dry. etc

Rather short, looked good earlier
in season. may have some
promise.

T. S. No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAN- TING	DISEASES			
				HEADING 1ST FULL		RIPENING 1ST FULL		HARV- ESTED	HT. (IN.)		ING %	H. O.	Cerco- spora	White Dye
<i>Bunt Early</i>		B283A2-4-5, Ex F	31	103	9	8/10	8/17	8/26	9/5	42		15	+	++
					20									
					5									
					12									
<i>Bunt Early</i>		Lady Wright, 31 (calif) <i>cut ground</i>	32	<i>Bigg's Calif.</i>	10	7/29	8/6	8/18	8/31	39		25	+	++
					12									
					4									
					20									
<i>Bunt Early</i>		B283A3-7-5, Ex F <i>ground</i>	33	140	11	8/10	8/19	8/28	9/6	41		20	+	++
					16									
					2									
					8									
<i>Bunt Early</i>		B283A2-10-2, Ex F	34	125	12	8/13	8/20	8/29	9/7	41		15	+	++
					5									
					17									
					10									
<i>Bunt Early</i>		Edithe, 322	35	10	13	8/7	8/14	8/23	9/4	40		20	+	++
					2									
					20									
					6									
<i>Bunt Early</i>		B283A2-1-2-1, Ex F	36	144	14	8/14	8/20	8/27	9/6	44		15	0	0
					7									
					19									
					1									
<i>Bunt Early</i>		Lady Wright, 37, 364	37	3365	15	8/4	8/13	8/20	9/4	39		25	0	0
					17									
					1									
					7									
<i>Bunt Early</i>		B283A3-3-4-1-1, Ex F <i>ground</i>	38	129	16	8/11	8/20	8/28	9/4	41		20	0	0
					1									
					7									
					11									

T. S. No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER			DATES			PLANT LODG.		SHAP TENDING	DISEASES			
					HEADING 1ST FULL	1ST FULL	1ST FULL	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Early- loma
		B2913A 29-1-1-1, Co x BR.	39	158	17	7/28	8/8	8/17	9/4	33		25	tn	+
					10									
					3									
					14									
		B283A2-5-2, EXF	40	135	18	8/9	8/14	8/26	9/3	42		20	+	+
					15									
					9									
					3									
1611	1643	Honduras	41	29	19	8/8	9/13	8/20	9/2	40		30	+	+
					6									
					14									
					2									
		B283A2-3, EXF	42	117	20	8/7	8/14	8/22	9/3	42		20	+	+
					8									
					12									
					4									

add in 1939 = 9 additions

✓ Best group
✓ Edits from Bay City

✓ Early Prolific

✓ Early Prolific #6 (Calif)

✓ 124 Shredded 365

✓ 129 B2916A 25-2-1

✓ 136 B2917A 29-7-1-1-1

✓ 142 B323A 5-8-1-1-1

✓ ask S2920A 17-4-4-2-1, 3BR, F

✓ ask S2920A 17-2-6-7-6, 3BR VF

Uniform group = 6 additions

C283A9-6-1-2 (from midwestern group in 1938)

ask S283A9-6-1-1

ask S2920A 17-4-4-5-3

ask S2920A 17-4-4-9-1

ask S2920A 17-4-4-1-4

ask S2920A 17-2-6-2-1

	343										Very good, for fat types.
	394										
1	357										
	412		44	74.3	78.0	tr(1)	190	clear	200	posty	152
	1506	50.1	2259					mh C		sh. dry odor	
	300										
	367										Very good, some of head in 2nd series.
	322										Very good in 3rd + 4th
6	346		43	73.7	76.9	tr(2)	210	dull	224	fleshy	153
	1335	44.5	2002								
	240										
	222										Rather poor, few heads rather fleshy. Fair in 4th
	236										
20	288		41	69.7	74.9	1.0	200	clear	196	posty	154
	486	328	1479					mh.C.			
	345										
	326										Good, probably not as heavy as several other ex.
	314										
8	331		41	71.4	76.0	0.6	200	sh. dull	200	posty	155
	1316	43.8	1974							sh. dry odor	

MIDSE
ADV
ADE BY CHAB. C

9/16

T. S. No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER			DATES				PLANT LODG.		SHAT- TING	DISEASES		
					HEADING 1ST FULL	1ST FULL	1ST FULL	1ST FULL	HARV- ESTED	HT. (IN.)		ING %	H. O.	Cerco- spora
9821	1344	Fortuna (Texas)	43	47	1	8/17	8/25	9/5	9/13	45		35	tr	0
		cut guard			14✓									
					11✓									
					7✓									
		Creole Bred	44	48	2	8/22	8/29	9/6	9/15	41		35	0	0
					7✓									
					12✓									
					4✓									
19926	2702	Nira	45	51	3	8/23	9/30	9/7	9/17	50		25	0	0
		cut guard			21✓									
					9✓									
					15✓									
19892	4440		46	46	4	8/20	9/27	9/6	9/16	4A		25	0	tr
					12✓									
					1✓									
					14✓									
19915	4060		47	45	5	8/18	8/26	9/1	9/13	46		25	0	0
					9✓									
					13✓									
					16✓									
8076	1206	Delitas	48	42	6	8/10	8/16	8/24	9/5	43		25	0	tr
		cut guard			3✓									
					17✓									
					10✓									
19888	461		49	43	7	8/9	9/15	8/22	9/4	42		30	0	0
					5✓									
					2✓									
					21✓									
19938	7786	Calady	50	40	8	8/10	8/16	8/25	9/7	39		25	tr	+
					18✓									
					3✓									
					19✓									

Ruro ch - 16 cc.
BR - 14.2 cc.

									cc	
1	387									very good
	330									
	365									
	371	43	72.0	76.4	0.2	220	clear	204	flaky	157
	1453	48.4	2185				opaque center			
	347								partly	Holly in good but v. nice but heavier than Al-11
	281									
7	358									
	336	44	74.3	75.9	0.2	210	dull	200	partly	158
	1322	44.0	1983							
	338									Very good
	278									
	346									
12	332	47	36.7	75.7	0.2	220	sl. dull	212	sl. partly	159
	1300	43.3	1950							
	321									Fairly good
	329									Very good in 2nd. + 3rd.
6	371									
	312	46	76.1	78.0	0.4	240	clear	216	med partly	160
	1333	44.4	2000							
	383									Very good
	328									uniform lot, excellent appearance
5	353									average looks to be a heavy lot not heavier than 3rd.
	271	42	69.9	76.2	tr(1)	210	sl. dull	192	flaky	161
	1335	44.5	2002							
	242									Fairly good
	212									
	219									
19	213	41	69.6	75.0	0.5	220	fairly clear	224	fairly flaky	162
	886	29.5	1329						flamed	
	248									good, not particularly out standing.
	207									
	249									
18	203	45	70.0	77.5	0.2	220	sl. dull	188	fairly flaky	164
	107	30.2	1360							
	360									Fairly good, shade rather dark
	285									
14	306									
	258	39	75.2	76.4	0.1	210	sl. dull	192	v. partly	165
	1209	40.3	1814							

T. S. No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1ST FULL	RIPENING 1ST FULL		HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White fly	Enty- loma
19799	1561-1	Caloro	51	39	9 8/7 8/14 8/2 7/6			39			25	tr	tr	tr
<i>Univ. mid</i>				16✓	19✓	11✓								
		C2910A31-1, B x D x CA	52	<i>Cumley</i>	10 8/13 8/20 8/30 7/8			38			20	tr	tr	
<i>Univ.</i>				20✓	15✓	6✓								
19889	3625	SHOEMED, CHECK	53	<i>1937 ch. plate</i>	11 8/11 8/18 8/26 7/7			45			15	0	0	
<i>Univ. mid</i>				15✓	7✓	20✓								
		B2916A12-1-1-1, E x BR	54	35	12 8/13 8/19 7/4 7/15			44			35	++	++	
<i>Bunt mid</i>				2✓	8✓	17✓								
		B2920A9-9-1-1, I BR x F	55	37	13 8/14 8/20 7/1 7/8			43			20	tr	+	
<i>Bunt mid</i>				19✓	5✓	8✓								
		S2920A42-6-1, I BR x F (AH. 29-37)	56	82	14 8/13 8/20 7/1 7/9			40			20	tr	+	
<i>Univ. mid</i>				<i>Seed from Stutt.</i>	17✓	10✓	18✓							
		B283A3-5-4-1-1, E x F	57	111	15 8/14 8/23 8/28 7/7			40			20	0	0	
<i>Univ. mid</i>				11✓	20✓	3✓								
		B283A9-6-1-2-1-1, E x F.	58	113	16 8/19 8/26 7/5 7/13			43			20	0	0	
<i>Bunt mid</i>				13✓	18✓	1✓								

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG. HT. (IN.)	ING %	SHAT- TERING	DISEASES		
				HEADING 1st FULL	1st FULL	1st FULL	1st FULL				H.O.	Cerco- spora	White Tip
		C283A9-6-1-2, Ex F	59	Crowley	17 8/11	8/18	8/23 9/4	42			20	0	0
		C2914A18-3-8, CA x BR. AH-29-19	60	56	18 8/18	8/24	9/4 9/15	41			25	tr	tr
		C2914A6-3-1, CA x BR	61	55	19 8/14	8/20	9/7 9/14	40			25	tr	+
		C2914A6-1-1, CA x BR	62	Crowley	20 8/13	8/19	9/3 9/9	40			25	tr	+
		AL-11-1C, S x F	63	Crowley	21 8/13	8/20	8/26 9/6	44			15	0	0

17 282
228
273
258 43 70.4 75.2 0.3 220 ab. dull 208 Flaky 180
1041 34.7 156.2 v. good

very good plot but belongs in early group. very few dead leaves

343
305
309
8 362 44 75.3 77.3 0.1 210 clear 196 Partly 181
1319 43.9 197.8 sl. dy. order

Hardly as good as No. 61, Uniform lvs + maturity

330
335
390
3 307 43 76.2 77.9 0.3 220 clear 180 Partly 182
1362 45.4 204.3

Very good, Best of this type is that, more disease than No. 81

309
302
231
15 278 43 75.6 77.2 tr(2) 210 clear 196 Partly 183
1120 37.3 168.0 sl. dy. order

Only fine, Too leafy

326
329
357
9 302 45 70.5 77.9 0.2 220 sl. dull 220 sl. Partly 186
1314 43.8 192.1

and lower leaves die back rapidly

Volume
RR 13.0
Rx 14.5

MIDSEASON BEAUMONT ADVANCED NURSERY

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER			DATES				PLANT LODG.	HT. (IN.)	ING %	SHAT- TERING	DISEASES		
					HEADING 1ST FULL	1ST FULL	1ST FULL	1ST FULL					HARV- ESTED	H.O.	Cerco- spora
		B2920A3-4-1-1-1, IBP ²³	64	216	1	8/12	8/19	9/27	9/7	41			25	0	tr
					14										
					19										
					10										
		Calx/W, 3173-1 <i>cut guard</i>	65	41	2	8/14	8/20	9/3	9/14	39			25	tr	tr
					7										
					15										
					20										
9821	1344	T. Fortuna	66	99	3	8/20	8/29	9/7	9/18	41			35	0	0
					19										
					10										
					13										
		B321A2-6-1-1, RxD	67	213	4	8/13	8/22	8/29	9/9	40			25	0	0
					15										
					6										
					19										
		24/A(P) 31-2 Sel.	68	3149	5	8/18	8/23	9/7	9/15	38			25	tr	+
					16										
					14										
					6										
19889	3625	SHOEMED, CHECK	69	1937 ch. plate	6	8/12	8/19	8/28	9/7	40			15	0	0
					3										
					16										
					12										
		B2912A37-1-1-1-1, KxBR	70	204	7	8/13	8/22	9/3	9/11	37			25	0	0
					11										
					1										
					16										
		B2912A20-4-3-1-1, KxBR	71	203	8	8/14	8/23	9/7	9/13	40			15	0	0
					20										
					5										
					15										

	297								Only fair, leaves die back rapidly.
	206								
	250								
15	252	35	71.3	75.4	0.5	230	clear	196	poor 187
	1005	33.5	1508						
	352								
	298								Very good, Uniform type
	330								leaves remain green
5	286	42	75.0	76.9	0.2	200	clear	180	Med. poor 188
	1266	42.2	1899						
	351								
	277								Very good, Uniform ht. leaves dying back some. Only fair in 2nd
2	356								
	320	42	72.6	79.1	0.6	240	clear	220	sl. poor 192
	1304	43.4	1956				wh.c.		
	338								
	294								Very good, some better than Delite
	341								Delite type 7 good, not as good as
4	328	43	66.0	76.2	0.5	260	sl. dull	264	sl. poor 193
	1301	43.3	1952						721A2-8-2-1
	262								
	230								good, better than original
	296								very good in 4th.
14	337	37	76.8	78.0	tr (3)	240	fairly clear	204	poor 196
	1125	37.5	1698						
	262								
	214								
	271								
16	241	48	72.2	77.8	0.8	220	clear	220	flaky 197
	988	32.9	1432				wh.c.		
	252								
	208								Only fair, as good as media
	234								
18	255	38	73.8	76.7	tr (2)	210	clear	200	poor 200
	999	31.6	1424						
	224								
	174								Poor, much sterility
	214								
20	283	42	73.4	75.8	0.2	210	clear	208	poor 203
	895	29.8	1342				tr wh.c.		

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER			DATES				PLANT LODG.		SHAY TIDING	DISEASES			
					HEADING 1ST FULL	RIPENING 1ST FULL			HARV- ESTED	HT. (IN.)	ING %	H.O.	Carco- spots	White Tip	Enty- loma
		B283A5-2-6-1-1, Ex 7	80 [✓]	100	17	8/18	9/25	9/3	9/15	44		20	+	+	
					4 [✓]										
					7 [✓]										
					11 [✓]										
		B2912A13-2-2-1-1, KxBR <i>cut grain</i>	81 [✓]	202	18	8/15	9/23	9/6	9/16	39		15	0	0	
					12 [✓]										
					9 [✓]										
					1 [✓]										
		B295A18-2-2, Ex K.	82 [✓]	65	19	8/13	9/22	9/28	9/9	40		15	0	0	
					10 [✓]										
					2 [✓]										
					14 [✓]										
		B283A5-10-6-2-1, Ex J	83 [✓]	141	20	9/16	9/24	9/4	9/13	41		25	+	+	
					5 [✓]										
					13 [✓]										
					7 [✓]										

Advance:

- 67: (possibly)
- 82 (very good)
- 77 (very good)
- 79 (better than 67)
- 81 (very good)

Disc:

- 76 - doubtful, possibly return
- 70 - of poor grain, disc.
- 71 - aut.
- 80 - questionable
- 64 - questionable
- 75 - poor.
- 49 - questionable
- 56 - questionable
- 46 - "
- 52 - aut

60 possibly belongs in late group, good looking plot.

	357					06	slam plot, rather upright flag leaf + on dead terminal
	215						
	319						
10	243		39	69.0	75.7	tr(2)	210 clear 204 sl. Party 227
	1134	37.8/1701					tr wh. C.
	360					13	very good, esp. above top uniform color very much like No. 149. quite leafy. Promising
	294						
	353						
3	316		43	75.8	77.2	0.3	220 clear 188 Party 240
	1903	43.4/1954					
	323					36	Heavy growth but consid. sturdy. Leaves remain green
	277						
	257						
9	330		36	73.6	76.0	0.5	210 sl. dull 216 Med Party 247
	1187	39.5/1780					
	308						
	225						Heavy plot, only fair in 2nd, north short
	309						
13	290		36	76.9	78.3	tr(1)	200 sl. dull 192 Party 254
	1182	37.7/1698					

Additions for 1939

Stems Advanced or Transferred

47	C.T. 4060	78	Uni. Ind	66	Fortuna duplicate
54	B2916A12-1-1	79	do	68	241A(P1) 71-2 sil
55	B2920A9-1-1-1	81	do	71	B2912A20-4-3-1-1
58	B283A9-6-1-2-1-1	67	do.	75	241A(P1) 71-2
49	B2912A13-2-2-1-1-1, KxBR			76	B293A9-7-6-1-1-1
51	B321A2-5-3-1-2, RxD			80	B283A5-2-6-1-1
63	B322A4-2-3-1, RxF				
66	B325A2-8-2-1, R13BR				
172	B3313A1-16-1, Rx7689				
209	C.T. 6796				

LATE ADVANCED NURSERY

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER			DATES				PLANT LOSS		SHAT- TING	DISEASES			
					HEADING	RIPENING		HARV- ESTED	HT.	ING		H.O.	Cercos- pora	White Tip	Enty- loma
					1ST FULL	1ST FULL			(IN.)	%					
1988 ²	1988	Acadia	84	70	1	8/16	8/23	9/8	9/20	44		25	tr	tr	
<i>Univ. Lett.</i>					6										
<i>Univ. Lett.</i>					3										
<i>Univ. Lett.</i>					10										
<i>Univ. Lett.</i>															
<i>Univ. Lett.</i>															
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<i>Univ. Lett.</i>															
<i>Univ. Lett.</i>															

						Party -	
6	433						good, ...
	346						
	307						
	379						
	1465	48.8	2198	44	68.5 78.2 0.8	230 clear 212 party 261 mh.C.	
10	329					Party -	good, rather short, uniform.
	295						
	256						
	368						
	1248	41.6	1822	40	76.0 78.5 tr(2)	230 clear 192 party 268 mh.C.	
1	493						good, irregular lit.
	410						
	435						
	463						
	1801	60.0	2722	47	68.3 76.5 0.3	270 fairly clear 240 fairly flaty 282	
5	390						good,
	338						
	367						
	387						
	1482	49.4	2223	47	74.7 77.4 0.3	240 clear 188 party 296 mh.C.	
2	419						good, uniform lit. but leave die back quite rapidly stand up ok, however.
	417						
	417						
	467						
	1720	57.3	2580	45	70.9 78.0 1.1	260 clear 212 party 297	
12	254						
	274						
	250						
	274						
	1052	35.0	1528	49	70.2 77.4 0.8	230 sb. dull 220 med. party 298	
9	283						Fairly good, but as long as BK + taller
	357						
	306						
	375						
	1321	44.0	1982	44	72.5 76.9 0.3	240 clear 184 party 299	
7	299						Only for 10 min. did least + more had least than than no. 90
	308						
	372						
	429						
	1388	46.2	2082	48	74.1 78.0 tr(2)	220 clear 180 med party 300	

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES			PLANT LODG.		SHAK- TING	DISEASES				
				HEADING 1st FULL	1st FULL	1st FULL	HARV- ESTED	HT. (IN.)		ING %	H.O.	Cerco- spore	White Tip	Enty- loma
<i>Direct</i>		C2912A26-1, KxBR	92	<i>crowley Lo.</i>	9	8/16	8/23	9/7	9/18	42		25	0	0
					3									
					7									
					2									
<i>Unic late</i>		B2913A31-2-1-4, Co x BR.	93	79	10	8/19	8/24	9/9	9/21	41 <i>skin 3rd.</i>		25	+	+
					7									
					4									
					12									
<i>Unic late</i>		C2912A10-1, KxBR	94	<i>crowley</i>	11	8/20	8/28	9/9	9/22	42		20	0	0
		<i>cut guard</i>			5									
					10									
					8									
<i>Unic late</i>		B2914A36-4-1-1, CA x BR	95	96	12	8/22	8/29	9/15	9/23	37		20	tr	tr
		<i>cut guard</i>			2									
					6									
					3									

11	256					SE		good, but not as heavy as BK, taller than BK.
	274							
	250							
	282	44	56.6	77.3	tr(2)	210	clear 180	Med. party 307
	1062	35.4	157.3					
3	350					SE		Heavy plant but many leafy & many dead leaves at base.
	371							
	374							
	488	46	77.3	78.3	tr(2)	250	clear 188	party 304
	1583	52.7	237.4				mh. C.	1. sl. dy. odor
4	357					SE		good, slightly as heavy as BK
	410							
	343							
	440	44	75.1	78.3	0.4	220	clear 180	party 306
	1550	51.6	232.5					
8	300					SE		flat stream, coarse grain uniform lot.
	312							
	317							
	399	47	77.1	78.2	0.3	170	clear 192	party 307
	1328	44.2	192.1					

	356											Heavy plot, corned down
	346											
	326											
10	367	46	55.7	75.9	0.3	260	clear	216	Posty	308		
	1395	46.5	2092									
	356											Heavy plot, corned down
	334											on hulls.
	354											
3	437	47	74.5	76.8	1.5	230	clear	216	med. Posty	309		
	1481	49.3	2222									
	242											Only few, some sterility.
	323											body discolored
	258											
17	375	45	73.4	76.6	0.3	200	fairly clear	196	Posty	310		
	1198	99.9	1797				wh. C.		sl. dy. color			
	253											Heavy but, altogether too
	273											much disease
	238											
19	355	43	73.2	77.9	0.3	190	fairly clear	198	Posty	312		
	1119	37.3	1678						sl. dy. color			
	301											Heavy plot but body discol.
	348											not as severe as 99.
	328											
9	423	47	76.5	78.3	0.4	210	clear	196	med. Posty	313		
	1400	46.6	2100									
	428											Very good, considerable prod.
	404											
	406											
1	518	45	78.7	79.7	0.1	250	clear	220	med. Posty	314		
	1756	58.5	2634				Sh. B.					
	318											Finely heavy but body
	420											discolored
	300											
5	423	45	76.9	78.3	0.3	190	clear	192	Posty	318		
	1461	48.7	2192									
	360											Very good
	294											
	371											
7	407	47	72.8	75.6	1.8	250	clear	236	Posty	321		
	1432	47.7	2148				wh. C.					

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		D A T E S				PLANT LODG.		SHAT- TING	DISEASES			
				NEEDLING 1ST FULL	NEEDLING 1ST FULL	NEEDLING 1ST FULL	NEEDLING 1ST FULL	HT. (IN.)	ING %		H.O.	Cerco- spora	White- Tip	Enty- loma
19931	4504		104 [✓]	86	9	7/3	7/4	7/27	7/5	48		30	0	0
					19	✓								
					14	✓								
					1	✓								
		B295A5-3-2-1-1, ExK	105 [✓]	235	10	7/23	7/29	7/9	7/19	47		25	0	0
					3	✓								
					18	✓								
					12	✓								
		B32/A2-1-2-2, RxD	106 [✓]	264	11	7/6	7/17	7/28	7/6	43		25	0	0
					6	✓								
					1	✓								
					18	✓								
		5793 Supreme Blue Rose	107 [✓]	78	12	7/24	7/30	7/16	7/24	43		30	+	+
					18	✓								
					9	✓								
					4	✓								
		B2913A31-2-1-3, CoxBR	108 [✓]	93	13	7/22	7/29	7/12	7/20	39		30	+	+
					2	✓								
					20	✓								
					7	✓								
		B324A1-8-2-1, Rx5094	109 [✓]	272	14	7/3	7/14	7/20	7/2	45		30	0	0
					17	✓								
					10	✓								
					2	✓								
		B295A20-1-3-1-1, ExK	110 [✓]	236	15	7/26	7/3	7/16	7/25	41		15	0	0
					7	✓								
					4	✓								
					19	✓								
19889	3625	SHOEMED, CHECK	111	1437 ok plot	16	8/11	8/17	7/27	7/7	43		15	0	0
					11									
					6	✓								
					5	✓								

	256						good plot, but too tall
	318						
	268						
18	348	49	72.3	76.7	0.3	250 clear 216	partly 324
	1190	39.6	1785				
	351						Undesirable grain shape
	323						+ considerable leaf drying
	317						at base, rather tall, some
8	420	45	59.7	77.8	0.2	250 clear 224	partly 325
	1411	47.0	2116			sh.B.	sl. dry odor
	312						Very good, sl. earlier
	382						than R. 100.
	395						
2	394	46	70.5	76.4	1.4	260 clear 272	sl. partly 326
	1483	49.4	2224				flavored.
	274						not as good as B.R.
	295						
	308						
15	352	45	75.1	77.3	0.2	200 clear 200	partly 328
	1229	40.9	1844				sl. dry odor
	292						Heavier than B.R. and about
	341						the same amount of discoloration
	329						
11	432	45	76.2	78.1	tr(1)	210 clear 204	med. partly 329
	1394	46.4	2091			wh.C.	sl. dry odor
	325						Very good, earlier than
	316						R. 100.
	346						
6	454	45	58.8	74.8	0.7	280 fairly clear 268	flaky 330
	1441	48.0	2162				very good.
	318						Med. but very uniform
	394						possibly as heavy as B.R.
	327						one ear per
4	432	42	73.7	79.1	tr(2)	220 sl. dull 204	partly 331
	1471	49.0	2206				
	293						
	219						
	237						
20	357	49	76.3	78.2	0.7	200 sl. dull 216	med. partly 332
	1106	36.8	1659			wh.C.	

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODGE		SHAK- TERING	DISEASES			
			HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Enty- loma

B2912A7-2-2-1, KxBR 112

88

17 8/17 9/23 9/8 9/20

39

25 + +

1 ✓
11 ✓
10 ✓

B2913A31-3-1-1, CoxBR 113

94

18 8/20 8/27 9/9 9/21

39

30 + +

10 ✓
15 ✓
3 ✓

5463 Timuco

114

84

19 8/23 8/29 9/18 9/23

42

35 + +

12 ✓
3 ✓
8 ✓

19930 4559 Tola

115

68

20 9/4 9/15 9/24 10/1

46

30 0 0

5 ✓
7 ✓
14 ✓

cut guard

all p to no. 9/9

EARLY PRELIMINARY NURSERY

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1st FULL	RIPENING 1st FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.		Cerco- spora	White spot	Enty- loma	
14889	3625	SHOEMED, CHECK	116	1937 check plots	8/13 9/14	9/30 9/7	38				20	0	0	
		Forty Blue Rose, 8-15-1-1-3	117	3112	8/2 8/11	8/21 8/30	34				20	+	+	
		Self B368												
		Self 351, med-grain good grain type	118	152	8/14 9/23	9/3 9/9	34				25	tr	+	
19945		Tamasati, 218-1-8-2	119	186	8/5 8/12	8/20 9/3	36				15	0	0	
		366540, 4 x 8	120	3226	7/27 8/9	8/12 8/27	35				15	tr	+	
		B329A2-4-1-1, Nax BR	121	2415	8/13 8/20	9/3 9/9	34				20	0	0	
		B283A1-3-5-1-1-1-1, ExF	122	2011	8/8 8/18	8/24 9/3	38				20	+	+	
		B293A2-12-2, Ax E	123	157	8/5 8/13	8/30 9/3	37				20	+	+	
		Shoemed, 365	124	3374	8/8 8/16	8/23 9/2	36				15	0	0	
		SHOEMED, CHECK	125	1937 check plots	8/13 8/20	8/30	40				20	0	0	

EARLY
ELIMINARY

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1st FULL	8/17	8/30	9/6	HT. (IN.)	ING. %		H.O.	Cerco- spora	White tip	Early leaf
	<i>disc</i>	B2914A19-8-1-1-1, CAxBR	126	159	8/12	8/17	8/30	9/6	33		15	tr	tr	
	<i>disc</i>	B2916A5-2-1, ExBR	127	161	8/12	8/12	8/24	9/3	37		15	+	+	
	<i>disc</i>	B2916A21-1-1-1, ExBR	128	169	8/12	8/12	8/22	9/3	36		15	tr	+	
	<i>disc</i>	B2916A25-2-1, ExBR	129	170	8/8	8/19	8/24	9/6	37		20	tr	+	
	<i>disc</i>	B2916A28-4-2, ExBR	130	171	8/13	8/20	8/30	9/7	42		5	+	+	
	<i>disc</i>	B2916A28-5-5, ExBR	131	172	8/5	8/16	8/25	9/4	39		15	+	+	
	<i>disc</i>	B2916A31-5-2, ExBR	132	176	8/4	8/15	8/22	9/3	37		15	+	+	
	<i>disc</i>	B2916A34-3-3-1	133	177	8/12	8/19	8/30	9/7	38		25	+	+	
	<i>disc</i>	SHOEMED, CHECK	134	178	8/12	8/19	8/30	9/7	41		20	o	o	
	<i>disc</i>	B2917A29-2-2-1-1-1, BRxCG	135	2204	8/8	8/17	8/25	9/4	42		25	+	+	

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER			DATES				PLANT LODG.		SHAT- TERING	DISEASES			
					HEADING 1st FULL	1st FULL	1st FULL	1st FULL	HT. (IN.)	ING %		H.O.	Cerco- spora	White Blight Phy. Br.	Early Loma
<i>add to Bunt</i>		B2917A29-7-1-1-1-1, BRxGG	136	2205	8/9	8/18	8/27	9/5	41		25	+	+		
		<i>very good green shape</i>													
<i>Prod G</i>		B2918A7-4-1-1-1-1, BRxD	137	2211	8/8	8/18	8/24	9/3	36		10	0	0		
<i>disc</i>		B2919A13-5-1, HxBR	138	180	8/9	8/19	8/29	9/7	37		25	+	+		
<i>disc</i>		B2919A13-6-1-1-1-1, HxBR	139	2233	8/6	8/18	8/25	9/3	36		25	+	+		
<i>disc</i>		Sel. 353,	140	155	8/9	8/18	8/28	9/6	34		15	tr	+		
<i>disc</i>		Sel. 362, IBRxF	141	3188	8/9	8/18	8/29	9/5	34		25	0	tr		
<i>add to Bunt</i>		B323A5-8-1-1-1, RxSBR	142	2388	8/5	8/16	8/29	9/4	36		20	0	+		
		<i>very good grain rather slender, med-long</i>													
		SHOEMED, CHECK	143	<i>1987 check plot</i>	8/12	8/20	8/30	9/7	41		20	0	0		

1	281				42.2	1897			very good, families a little slender than no. 135 appears sl. taller more desirable in end than no. 135
	221								
	298								
	800								
13	245				35.9	1617			poor, but same on basis of showing made in P.S. nursery
	195								
	242								
	682								
14	242				35.0	1577			only fair fairly good in end
	180								
	243								
	665								
25	197				29.6	1330			poor
	158								
	206								
	561								
18	227				34.1	1536			very poor
	194								
	227								
	648								
17	226				34.3	1541			very poor
	188								
	236								
	650								
3	267				39.2	1762			good: uniform Rather light in end & 2nd.
	198								
	278								
	743								
2	258				40.0	1795			
	264								
	230								
	757								

advance: 124 }
 129 } 4
 136 }
 142 }
 discard 11 strains

Nov 9/20

MIDSEASON PRELIMINARY NURSERY

SEASON PRELIMINARY NURSERY				DISEASES				PLANT LODG.		SHAT- TERING		DISEASES			
T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	No.	HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING. %	H.O.	Cerco- spora	White Tip	Enty- loma			
19889	3625	SHOEMED, CHECK	144	1937 chickplate A B C	8/12 8/19 8/27 9/7		42		20	0	0				
		B283A3-5-1-1-1-1, EXF	145	2046	8/17 8/23 8/28 9/7		42		20	tr	tr				
		B297A18-2-1-2-1-1, Cox D	146	2099	8/19 8/28 9/2 9/16		43		30	tr	+				
		med grain rather bold gr.													
		B2912A7-3-1-1-1, KxBR	147	199	8/12 8/22 9/1 9/7		38		20	0	0				
		B2912A11-3-3-1-1, KxBR	148	200	8/18 8/26 9/10 9/16		37		30	tr	tr				
		B2912A13-2-2-1-1-1, KxBR	149	2653	8/16 8/23 9/10 9/16		42		15	0	0				
		B2913A12-1-1-1-1, CoxBR	150	207	8/17 8/25 9/10 9/16		38		30	tr	+				
		B2913A12-2-1-1-1-1, CoxBR	151	2142	8/13 8/19 8/30 9/9		37		25	x	+				
		B2913A17-3-1-1-1, CoxBR	152	208	8/19 8/28 9/10 9/16		39		25	x	+				
		B2913A32-1-1-1, CoxBR	153	209	8/13 8/24 9/1 9/19		36		25	tr	tr				

	268			104	SHOEMED. CHECK	
20	151					
	224					
	643	33.9	1525			
	246					only fair, upright flag leaf
	159					
22	224					
	629	33.1	1491			
	330					good, few with tip awns
	222					
8	212					
	764	40.3	1811			
	267					very poor - sterility
	185					
21	179					
	631	33.3	1496			
	226					very poor sterility
	155					
29	138					
	519	22.4	1031			
	360					very good, few straw types
	272					good med. grain, <u>old</u>
2	197					
	829	43.7	1966			
	295					only fair, good grain type
	210					
15	179					
	684	36.0	1622			
	297					only fair,
	222					
11	207					
	926	38.3	1721			
	280					good,
	272					
5	235					
	787	41.5	1866			
	260					very poor -
	104					
16	193					
	657	34.6	1358			

T. S. No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1st FULL	1st FULL	1st FULL	1st FULL	HT. (IN.)	ING %		H.O.	Cerco- spora	White rust	Enty- loma
		SHOEMED, CHECK	154 ¹⁹³⁷ <i>checkpt</i>	8/12	8/19	9/28	9/7	40			20	0	0	<i>Phy. R.</i>
<i>Prod M</i>		B2920A25-1-2-1-1, IBRx7.	155 ²²⁵⁵	8/16	8/23	9/4	9/15	40			30	tr	tr	
<i>Prod M</i>		B32/A2-3-2-1-1, RxD	156 ²³⁴⁰	8/16	8/24	8/30	9/12	39			25	0	0	<i>(Fruit)</i>
<i>Adv. mid Bud</i>		B32/A2-5-3-1-2, RxD	157 ²³¹⁶	8/15	8/22	9/29	9/12	36			30	0	tr	
<i>Disc</i>		B32/A2-8-1-2, RxD	158 ²⁸⁵	8/16	8/27	8/31	9/12	37			20	0	0	
<i>Prod M</i>		B32/A2-8-1-2-1, RxD	159 ²³²⁴	8/17	8/26	8/31	9/12	38			25	0	0	
<i>disc</i>		B32/A2-8-2-2, RxD	160 ²⁵⁷	8/16	8/24	8/29	9/12	37			20	0	0	
<i>Prod M</i>		B32/A2-13-4-1, RxD	161 ²⁸⁸	8/18	8/27	9/4	9/15	39			25	0	0	
<i>disc</i>		B322A2-8-2-1-1, RxF	162 ²³³⁸	8/17	8/26	9/1	9/13	38			30	0	0	
<i>Adv. mid Bud</i>		B322A4-2-3-1, RxF	163 ²⁹¹	8/18	8/27	9/2	9/12	42			30	0	0	

RECEIVED CHECK

14
299
199
211
709 37.4 1681

7
329
205
237
771 40.6 1847

27
221
165
183
569 30.0 1349

18
245
198
213
656 34.6 1555

24
253
169
191
613 32.3 1453

25
227
170
201
598 31.5 1418

23
224
201
194
619 32.6 1468

30
212
120
168
500 26.4 1186

31
185
149
164
498 26.2 1181

4
312
229
259
700 42.4 1897

good, considerable leaf drying

good,

fairly good, longer panicle, than 156 with white druse.

fairly good, d. upright leaf, less disease than 151+7

similar to 158 upright leaf less disease than 156/157

only fair, not as good as 158+9

good, white panicle (droops)

Rather poor, short pan, some sterility

one of harvest looking slender

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES			PLANT LOGG		SHAD TIMING	DISEASES			
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	Ht. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Enty- loma

SHOEMED. CHECK

164

1937
check plot

A

B

C

8/12 8/19

8/28 9/7

43

20

0

0

B323A1-10-2-1, RxSBR

165

292

8/18 8/27

9/5 9/16

35

35

0

tr

B323A2-8-2-1, RxSBR

166

293

8/17 8/23

9/2 9/14

41

25

0

0

B323A2-8-2-1-1, RxSBR

167

237 1/2

8/15 8/22

9/1 9/14

42

20

0

0

B323A3-11-1-1, RxSBR

168

294

8/13 8/23

9/3 9/15

39

25

tr

+

B323A5-2-1-1, RxSBR

169

295

8/19 8/29

9/13 9/19

40

25

tr

+

B324A1-11-2-1-1, Rx5094

170

239 2

8/18 8/24

9/1 9/15

42

30

tr

+

B328A1-3-1-2, EPX F.

171

248 7

8/14 8/23

9/29 9/12

42

25

tr

+

B3313A1-16-1, Rx7689

172

2510

8/17 8/24

9/2 9/14

41

25

0

tr

B3313A1-16-2, Rx7689

173

2511

8/17 8/25

9/1 9/14

39

25

0

tr

Prod M

Odor
mint Bunt

Prod M

Odor

Odor

Prod M

Prod M

Odor
mint Bunt

Prod M

T. S. No.	G. I. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LOGS		SHAT TESTING	DISEASES			
			HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Rust	Enty- loma
		SHOEMED, CHECK	174	¹⁹³⁷ ch. plot	2/13 8/19	1/30 9/7	42		20	0	0	

LATE PRELIMINARY NURSERY

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAD- TERRING	DISEASES			
				HEADING 1st FULL	RIPENING 1st FULL	HARV- ESTED		HT. (IN.)	ING %		H.O.	Cerco- spora	White spot	Enty- loma
		SHOEMED, CHECK	175 ¹⁹³⁷ _{sh. plant}	8/13	8/19	8/28	9/8	39			20	0	0	
19947		Tamasari, 218-7	176 228	8/21	8/28	9/12	9/22	38			20	tr	+	
		B283A9-7-4-1-1-3, EXF	177 232	8/30	9/8	9/21	9/30	43			35	tr	+	
		B283A10-3-1-1-1-1, EXF	178 234	8/28	9/4	9/18	9/27	39			40	tr	+	
		B283A3-3-1-1-1-1-1, EXF	179 2591	8/16	8/21	8/28	9/7	41			30	tr	+	
		B297A11-2-1-1, COXD	180 237	8/23	8/29	9/15	9/24	41			25	+	+	
		B2912A4-2-1-1-1, KxBR	181 241	8/23	8/29	9/14	9/24	39			35	0	tr	
		B2912A19-2-1-1, KxBR	182 243	9/19	9/28	9/12	9/20	37			30	+	+	
		B2912A42-2-1-1-1, KxBR	183 248	8/22	8/31	9/13	9/20	39			20	+	+	
		B2916A35-1-1-1, EXBR	184 258	8/26	9/3	9/14	9/28	44			20	+	+	

33
219
200
251
170 35.3 1589

3
274
330
413
1017 53.6 2411

15
220
298
321
839 44.2 1989

25
217
237
300
754 39.7 1788

34
181
228
181
590 31.1 1399

16
231
266
333
830 43.7 1968

21
242
248
289
779 41.1 1847

27
224
229
286
739 38.9 1752

13
248
276
321
845 44.5 2003

19
243
235
340
818 43.1 1939

good

fairly good
7

fairly good

poor, short panicles

only fair

only fair

fair

poor

fair

fair

T. S. No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1st FULL	RIPENING 1st FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.		Cerco- spora	White Rust	Leaf- blight	
<i>disc</i>		B2418A20-7-1-2-1-1, BRxD	185	22/9	9/2 9/9 9/15 9/30		34				15	tr	tr	
<i>Bunt late</i>		B2920A13-2-2-1-1-1, IBRxF	186	2832	9/2 9/9 9/20 9/30		39				15	0	0	
		SHOEMED. CHECK	187	1937 <i>ch. plot</i>	9/13 8/19 9/30 9/8		40				20	0	0	
<i>Prod-2</i>		B2920A25-S-2-1-1, IBRxF	188	262	9/29 9/3 9/18 9/27		44				20	0	0	
<i>disc</i>		B321A2-3-2-1, RxD	189	281	9/16 8/21 9/30 9/14		36				25	0	0	
<i>Bunt late</i>		B321A2-3-2-2, RxD	190	265	9/7 9/17 9/28 10/6		40				25	0	0	
<i>Bunt late</i>		B321A2-5-1-1-1, RxD	191	2313	9/4 9/16 9/26 10/5		42				15	0	0	
<i>disc</i>		B321A2-11-4-1-1, RxD	192	2697	9/19 9/25 9/4 9/15 <i>segregation</i>		33				30	0	0	
<i>Bunt late</i>		B322A2-2-1-1-1, RxF	193	2333	9/22 9/1 9/14 9/21		39				30	0	tr	
<i>Prod-2</i>		B322A2-5-2-1-1, RxF	194	2708	8/23 9/1 9/10 9/19		39				35	tr	+	

37

93

118

165

376

19.8

891

221

226

291

728

38.9

1750

205

193

314

712

37.5

1688

261

244

337

842

44.4

1996

189

198

321

708

37.3

1679

267

249

342

858

45.2

2034

224

261

344

874

43.7

1966

120

130

191

441

23.2

1046

259

278

352

889

46.9

2108

230

268

376

874

46.1

2072

very poor

good, clean straw &
excellent grain type, Adv.
if of fair grain yieldfair, rather tall clean
straw

only fair

very good,

very good, st. taller than
190, more upright growth
less disease, Adv.

poor

good,

fairly good

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER			D A T E S				PLANT LODG.		SHAT- TERING	DISEASES			
					HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.		Cercos- pora	White rust	Enty- loma	
<i>Prod. - 2</i>		B322A4-1-1-1-1, RxF	195	2733	8/21	8/30	9/8	9/18	35			30	0	tr	
<i>disc</i>		B322A4-4-1-1-1, RxF	196	2735	8/19	8/25	9/1	9/15	32			30	0	0	
<i>Prod. - 2</i>		B323A1-1-3-1-1, RxSBR	197	2749	8/25	8/31	9/14	9/25	36			25	0	tr	
<i>Prod. - 2</i>		B323A1-11-4-1-1, RxSBR	198	2885	9/10	9/21	10/4	10/13	38			35	0	0	
<i>Prod. - 2</i>		SHOEMED, CHECK	199	¹⁹³⁷ ch. plate	8/3	8/19	8/29	9/8	39			20	0	0	
<i>Prod. - 2</i>		B323A3-1-1-1, RxSBR	200	266	<i>Sept.</i> 8/12	9/5	9/18	10/1	37			35	0	0	
<i>Prod. - 2</i>		B323A3-4-1-1-1, RxSBR	201	2377	8/26	9/3	9/15	9/23	39			25	0	0	
<i>Prod. - 2</i>		B323A3-13-1-1-1, RxSBR	202	2850	8/24	9/4	9/15	9/23	42			25	0	tr	
<i>Prod. - 2</i>		B324A4-5-2-1-1, RxS094	203	2777	9/4	9/15	9/27	10/5	40			25	0	0	
<i>Prod. - 2</i>		Imp. Blue Rose, 36/	204	3186	8/25	8/30	9/15	9/26	40			30	+	+	

	207					only fair
	226					
18	396					
	824	43.7	1966			
	224					only fair
	193					
24	342					
	751	40.0	1800			
	191					fairly good, returns better
	177					meal
30	348					
	716	37.7	1698			
	294					very good, clean straw
	276					very little shattering <u>Adv</u>
4	416					
	986	52.0	2338			
	225					
	217					
23	322					
	764	40.3	1811			
	256					good, but lots of disease
	270					
11	334					
	860	45.3	2039			
	272					good
	258					
20	276					
	806	42.5	1911			
	269					good, disease on hulls
	213					
22	285					
	767	40.4	1819			
	331					very good, promising
1	321					<u>advance</u>
	448					
	1100	58.0	2608			
	240					
	220					only fair, long-grain type
29	267					
	777	38.3	1724			

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAT- TERING	DISEASES		
				HEADING 1st FULL		1st FULL		HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip
<i>disc</i>		36LM-10	205 3207	9/23	9/30	9/14	9/22	37			35	++	++
<i>disc</i>		36LS-19	206 3204	9/2	9/12	9/19	10/1	40			30	tr	tr
<i>Pre-l</i>		Sel-363, KxH	207 3256	9/24	9/1	9/13	9/20	41			25	0	0
<i>Pre-mid</i>	6756		208 3457	8/19	9/24	9/10	9/20	37			25	tr	tr
<i>Pre-mid</i>	6796		209 3458	8/18	8/23	9/10	9/18	38			25	0	0
<i>Pre-mid</i>	6812		210 3459	8/20	8/25	9/10	9/21	40			25	tr	tr
		SHOEMED, CHECK	211 1437 ch. plate	8/13	8/19	8/30	9/9	41			20	0	0
			212										

26
257
198
290
745 39.3 1766

early fruit, dec.

35
128
146
177
451 23.8 1069

poor

2
365
301
427
1093 57.6 2592

very good growth, poor grain type

7
306
258
364
928 48.9 2200

good

6
307
259
366
132 49.1 2210

bad for disease, good

5
323
308
341
492 51.2 2305

good

10
246
282
337
865 45.6 2051

Advance 6 strains
11 discards

186
190
193
198
203
209 to Bunt mid
17 late
15 mid
15 early
47

SOURCE OF SEED

T. & G. No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER	DATES				PLANT LODG.		SHATT- TERING	DISEASES			
			HEADING 1ST FULL	HEADING 1ST FULL	RIPENING 1ST FULL	RIPENING 1ST FULL	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Enty- loma
		Caloro, Stuttgart 212 #	1	8/5	8/14	8/27	9/5	36					
			6	8/6	8/14	8/27	9/5	38					
			4	8/6	8/14	8/27	9/6	36					
			11	8/6	8/14	8/27	9/7	36					
				8/6	8/14	8/27	9/6	37					
		Caloro, Crowley 213	2	8/5	8/14	8/27	9/5	36					
			#7	8/6	8/14	8/27	9/5	38					
			5	8/6	8/14	8/27	9/6	37					
			10	8/6	8/15	8/27	9/7	36					
				8/6	8/14	8/27	9/6	37					
		Caloro, Beaumont 214	3	8/5	8/14	8/27	9/5	36					
			5	8/6	8/14	8/27	9/5	38					
			6	8/6	8/14	8/27	9/6	36					
			8	8/5	8/14	8/27	9/7	36					
				8/6	8/14	8/27	9/6	37					
		Caloro, Biggs 215	4	8/5	8/14	8/27	9/5	36					
			4	8/6	8/14	8/27	9/5	37					
			7	8/6	8/14	8/27	9/6	37					
			9	8/6	8/14	8/27	9/7	36					
				8/6	8/14	8/27	9/6	37					
		Early Prolific, Stuttgart 216	5	7/28	8/8	8/17	8/30	39					
			9	7/28	8/8	8/17	8/30	40					
			9	7/28	8/9	8/18	8/30	39					
			5	7/29	8/8	8/18	8/30	38					
				7/28	8/8	8/18	8/30	39					
		Early Prolific, Crowley 217	6	7/28	8/8	8/17	8/30	39					
			11	7/29	8/8	8/17	8/30	41					
			10	7/29	8/9	8/18	8/30	37					
			6	7/29	8/9	8/19	8/30	37					
				7/29	8/8	8/18	8/30	39					
		Early Prolific, Beaumont 218	7	7/28	8/8	8/17	8/30	38					
			10	7/28	8/8	8/18	8/30	39					
			11	7/29	8/9	8/18	8/30	38					
			4	7/28	8/8	8/18	8/30	38					
				7/28	8/8	8/18	8/30	38					
		Early Prolific, Biggs 219	8	7/28	8/8	8/17	8/30	40					
			8	7/27	8/8	8/18	8/30	40					
			8	7/27	8/9	8/18	8/30	38					
			7	7/29	8/8	8/18	8/30	37					
				7/28	8/8	8/18	8/30	39					

x1.5

295

300

367

267

1229 40.9

1844 45

235

283

351

304

1173 39.1

1760 46

278

263

290

309

1140 38.0

1710 46

260

263

266

280

1069 35.6

1604 47

195

238

194

227

854 28.4

1281 45

191

184

208

230

813 27.1

1220 44

201

243

230

270

944 31.4

1416 44

203

224

197

186

810 27.0

1215 44

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES					PLANT LODG.		SHAD- TENDING	DISEASES				
			HEADING 1ST FULL	RIPENING		HARV- ESTED	HT. (IN.)	ING %	H.O.		Cercospora	White Tip	Enty- loma		
				1ST FULL	1ST FULL										
		Fortuna, Stuttgart	220	9	8/17	8/29	9/8	9/14	44						
				3	8/18	8/30	↓	↓	45						
				2	8/19	8/30	↓	↓	44						
				1	8/19	8/30	↓	↓	44						
					8/18	8/30	9/8	9/14	44						
		Fortuna, Crowley	221	10	8/17	8/29	9/8	9/14	45						
				2	8/18	8/30	↓	↓	45						
				3	8/19	8/30	↓	↓	44						
				3	8/19	8/30	↓	↓	45						
					8/18	8/30	9/8	9/14	45						
		Fortuna, Beaumont	222	11	8/17	8/29	9/8	9/14	46						
				1	8/18	8/30	↓	↓	45						
				1	8/19	8/30	↓	↓	45						
				2	8/19	8/30	↓	↓	45						
					8/18	8/30	9/8	9/14	45						

304

392

345

326

1367 45.5

2050 44

323

313

351

323

1310 43.6

1965 44

355

356

385

376

1472 49.0

2208 44

Syded 3 rows 40" long of each variety for seedlings
This was not sufficient. Should have sown 5 or 6 rows

Methods of Sowing:

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES				PLANT LODG.		SHAK- TING	DISEASES			
			HEADING 1st FULL	HEADING 1st FULL	HEADING 1st FULL	HEADING 1st FULL	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Enty- loma
		Caloro, Direct	223	1	8/6	8/14	8/27	9/4	36				
				3	8/5	8/14	8/27	9/4	38				
				2	8/6	8/14	8/27	9/5	36				
				5	8/6	8/14	8/27	9/5	36				
					8/6	8/14	8/27	9/5	37				
		Caloro, Transplanted	224	2	8/9	8/18	8/29	9/8	38				
				4	8/10	8/19	8/30	9/8	41				
				1	8/10	8/18	8/30	9/8	37				
				6	8/10	8/18	8/30	9/8	37				
					8/10	8/18	8/30	9/8	38				
		Early Prolific, Direct	225	3	7/29	8/10	8/19	8/30	40				
				2	7/27	8/10	8/19	8/30	41				
				6	7/27	8/11	8/19	8/30	41				
				2	7/28	8/11	8/19	8/30	40				
					7/28	8/11	8/19	8/30	41				
		Early Prolific, Transplanted	226	4	8/3	8/16	8/21	9/1	41				
				1	8/4	8/16	8/21	9/2	44				
				5	8/3	8/16	8/21	9/2	41				
				1	8/2	8/16	8/21	9/2	42				
					8/3	8/16	8/21	9/2	42				
		Fortuna, Direct	227	5	8/14	8/24	8/28	9/11	48				
				5	8/14	8/22	8/29	9/11	49				
				4	8/13	8/23	8/29	9/10	47				
				4	8/13	8/23	8/28	9/11	47				
					8/14	8/23	8/29	9/11	48				
		Fortuna, Transplanted	228	6	8/17	8/26	9/2	9/13	50				
				6	8/16	8/24	9/1	9/12	48				
				3	8/17	8/25	9/1	9/11	48				
				3	8/18	8/26	9/1	9/12	47				
					8/17	8/25	9/1	9/12	48				

Seedlings transplanted June 22 & 23.

Ep. Seedlings - 17" tall } 3 seedlings per hill^{4" apart} in all rows +
 Caloro " - 13" " } all varieties except guard rows of Fortuna
 E. Fortuna " - 15" " } where 2 seedlings were used. } guard rows of series D
 transplanted to Regular Fortuna
 rather than ask Early Fortuna

x 1.5

289

307

345

289

1230 41.0

1845 46

281

366

299

315

1260 42.0

1890 46

209

232

224

254

919 30.6

1378 45

223

265

257

258

1003 33.4

1504 45

258

369

361

320

1299 42.3

1948 44

366

382

301

386

1435 47.8

2152 45

Total grain yield
x 1.333 for the per A

0.297
1.333

plots 229
230
231
232
233 } yields will be greatly reduced due to
large amounts of red removed.

		1937 yield	2 yr average	
371				examine for red before seeding
344				
371				
1091	32.4	1454	1192	1323
240		2	1	3
321				examine for red before seeding
306				
867	25.7	1156	1324	1240
336				examine for red before seeding
399				
370				
1105	32.8	1473	1408	1441
295				examine for red before seeding
301				
288				
884	26.3	1178	1286	1232
274				examine for red before seeding
296				
329				
899	26.7	1198	1200	1199
262				
351				
338				
951	28.2	1268	1304	1286
314				
337				
360				
1011	30.0	1348	1360	1354
263				
252				
368				
883	26.2	1177	1730	1454
315				
348				
292				
1005	29.8	1340	1358	1349
333				
310				
363				
1006	29.9	1341	1492	1416

416

630

470

1516 45.0 2021 1626 1824

336

394

352

1082 32.1 1442 1610 1526

310

296

357

163 28.6 1284 1058 1171

299

283

296

878 26.1 1170 1626 1398

384

423

428

1235 36.7 1646 1706 1676

257

300

254

811 24.1 1081 1254 1168

380

299

364

1043 31.0 1390 1422 1406

367

321

349

1035 30.7 1380 1228 1304

305

298

252

855 25.4 1140 1234 1187

291

254

319

864 25.7 1152 1074 1113

285

242

313

840

24.9

1120

958

1039

346

258

311

415

27.2

1220

1542

1381

260

327

329

716

27.2

1221

1342

1282

196

268

270

734

21.8

978

1066

1022

256

212

259

727

21.6

969

1316

1142

211

229

233

673

20.0

897

1432

1164

343

292

319

454

28.3

1272

1378

1325

330

250

326

706

26.9

1208

1190

1199

542

530

525

1597

47.4

2129

2072

2100

400

385

437

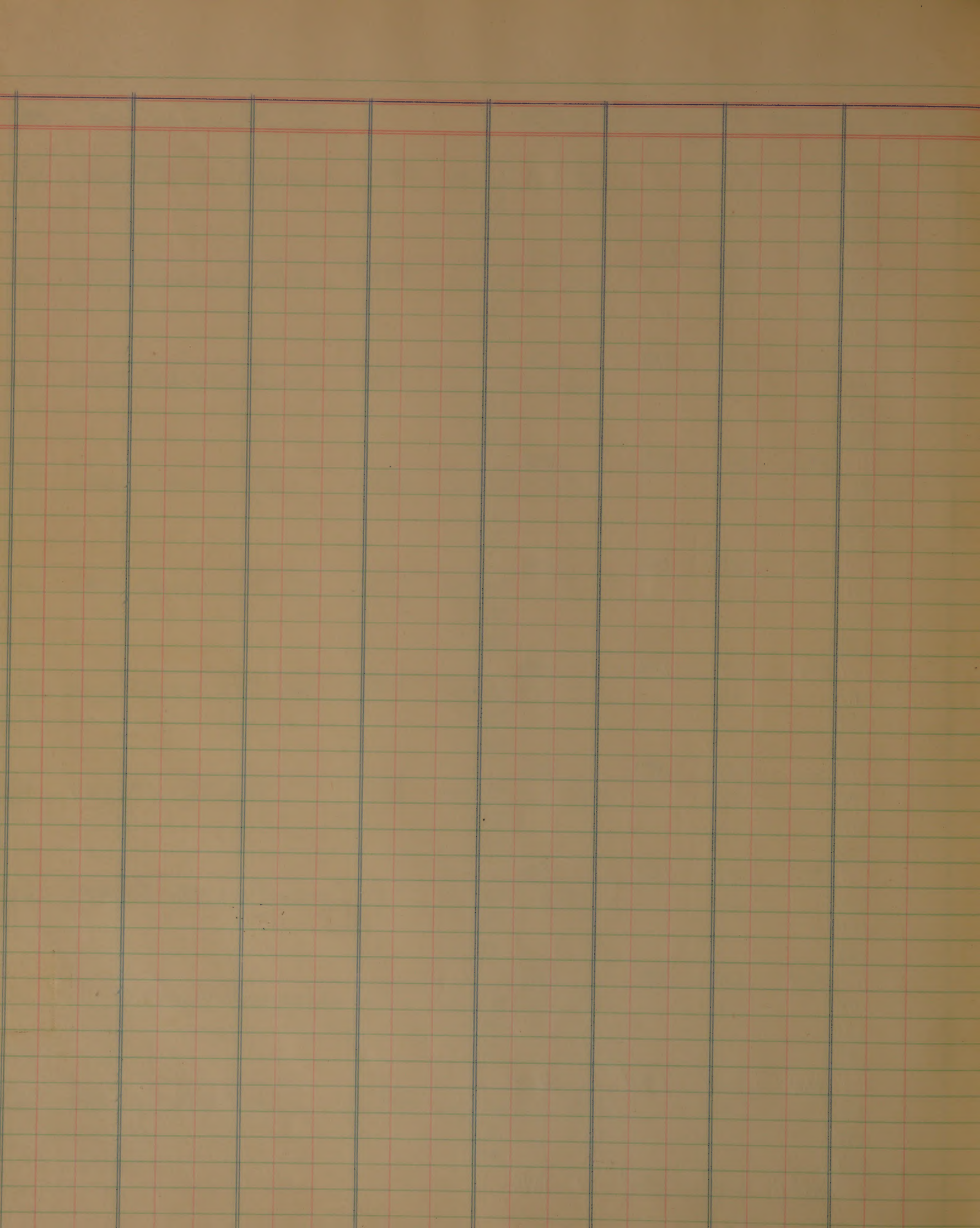
1222

36.3

1629

2328

1978



Hugh Long Test

T.O. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES				PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1st FULL	RIPENING 1st FULL		HARY- STED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Emb- loma
		Commercial Early Prolific	301	Hugh Long	7/19	7/30	8/18	8/23	8/25	46				
		7790 La. Early Blue Rose	302	3	7/21	8/3	8/16	8/22		39				
		Early Prolific 3214	303	4	7/26	8/4	8/20	8/25		46				
		7787 Zenith	304	5	7/24	8/4	8/15	8/20	✓	38				
		B2920A9-9-1-1, IBRx7	305	37	8/3	8/14	8/21	8/30		48				
		Commercial Early Prolific	306	Hugh Long	7/19	7/30	8/17	8/23	8/25	48				
		B2916A7-3-1-1, ExBR	307		7/28	8/5	8/19	8/26	8/27	48				
		B2916A12-1-1-1, ExBR	308		8/3	8/14	8/25	9/1		48				

xy
towell

all commercial Early Prolific check plots have thinner stands than rest of test. Plants are evenly distributed in com. E.P. plots however.

Bush of Rice = 162, lbs.

grain	bu	lbs				
606						Irregular but.
523						
544						
565						
2243	49.8	2243	13.8			
364						Short stem, heads, lack vigor
459						
409						
518						
✓ 1750	32.9	1750	10.8			
688						Uniform, stem smaller than
724						com. E.P. Better looking than
778						com. E.P. & definitely superior to
847						Early Bl. Rice (La)
✓ 3037	67.5	3037	18.7			
592						Uniform, rather short, panicle
531						too short, not too vigorous
698						may be even too thick
692						
✓ 2513	55.2	2513	15.5			
496						Rather tall, irregular but
526						heads later than E.P. but ripens
590						much faster. One plant in test
633						
✓ 2245	44.9	2245	13.9			
574						Thin stand.
489						
540						
663						
2216	50.3	2213	14.0			
563						Uniform plot, light stem
556						and is leaning slightly on No.
612						Panicle rather short, questionable
666						value.
✓ 2397	53.8	2397	14.8			
606						Uniform, very vigorous.
738						One of best looking varieties
655						Early Prolific type of plant.
667						
✓ 2666	59.2	2666	16.5			

T. & No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER			DATES			PLANT LODG.		SHAT. TERNING	DISEASES			
					HEADING 1ST FULL	↓	↓	HT. (IN.)	ING %		H.O.	Cerco-spore	White Tip	Embryoma
		B283A2-7-6, Ex7.	309	19	7/22	8/7	8/17	8/21	8/25	48				
		B283A2-9-6, Ex7.	310	133	7/27		8/16	8/21		47				
		Commercial Early Prolific	311	Hugh Long	7/19	7/31	8/18	8/24		48				
19903	7788	Latex	312	9	7/26	8/1	8/15	8/22		46				
19803	5451	Lady Wright	313	11	7/20	7/30	8/16	8/23		44				
		S283A2-4-5, Ex7	314	22	7/26	8/3	8/15	8/20		47				
		C283A3-6-2, Ex7.	315	18	7/27		8/16	8/20		40				
		Commercial Early Prolific	316	Hugh Long	7/20	8/1	8/18	8/24	✓	47				

grain

Be the

556

582

604

520

✓ 2262 50.3 2262 14.0

578

546

488

511

✓ 2123 47.2 2123 13.1

644

570

560

624

✓ 2398 53.3 2398 14.8

554

481

516

628

✓ 2179 48.4 2179 13.5

550

439

600

568

✓ 2157 47.9 2157 13.3

633

606

618

626

✓ 2483 55.2 2483 15.3

528

482

541

568

✓ 2119 47.1 2119 13.1

630

641

566

618

✓ 2455 54.6 2455 15.2

good appearance, leaves
dry up to rapidly.

similar to 309 but more
irregular in ht.

Thin, good appearance

good, considerable growing
of stems & leaves.

shorter than later, slower
ripening

good, leaves dry up too
rapidly

only fair, heads too short,
leaves dry up quite rapidly

Good,

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.		SHAT- TERING	DISEASES			
			HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Oerco- spora	White Tip	Enty- loma

B283A3-5-4-1-1, Ex 7.

317 111

8/3 8/13 8/20 8/25 8/27 47

B283A9-6-1-2-1-1, Ex 3

318 113

8/4 8/15 8/24 8/31 47

-19889

3625 Shoermed Check

319 checks
in 1937
Nurs.

8/1 8/12 8/23 8/30 45

B283A3-4-5, Ex 7.

320 132

7/30 8/8 8/17 8/23 8/27 49

Commercial Early Prolific

321 High
Long

7/20 7/30 8/18 8/24 8/25 46

grape Bu the

574

517

584

611

2286 50.8 2286 14.1

578

437

493

549

2057 45.7 2057 12.7

598

511

543

580

2232 49.6 2232 13.8

620

464

531

540

2155 47.9 2155 13.3

598

663

550

655

2466 54.8 2466 15.2

Average all commercial 11,825 52.6 2365 14.6
Early Prod Plot

good, resistant to Cercospora
but leaves appear to be
drying up. quite rapidly
good at same type as Forest
Promising - better than 320 in 2nd year
in test area

Tall, rather irregular let.
most too late for this group
about same maturity as 320

→ good heavy growth,
uniform let.

→ Best looking Edick's Fortune
in 1st year. Leaves drying up
most too fast. May be too
tall. Two up between 320 & 317

→ good

Boyt Coop Var. Test - Steadell, Tx

phys. descr.

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	D.A.T.E.S.		PLANT HT. (IN.)	LOGS ING %	SHAP TERRING	DISEASES		
			HEADING 1ST FULL	RIPENING 1ST FULL				H.O.	Cerco- spora	White Tip
										Enty. loma
	7790	Early La Blue Rose	402	8/23 9/1	9/22	42	0 0 0 0 0		+	+
		Early Prolific	3214 403	8/24 8/31	9/24	48	sl sl heavy 0 sl		+	+
	7702	Zenith	404	8/23 9/1	9/22	45	0 0 0 0 0		th	0
		B2920A9-9-1-1, IBRxF	405	8/31 9/9	9/27	49	sl sl sl sl sl		th	th
		B2916A7-3-1-1, EXBR	407	9/31 9/9	9/25	50	heavy heavy sl heavy sl		+	+
		B2916A12-1-1-1, EXBR	408	9/1 9/11	9/30	47	0 0 0 0 0		+	+

9mm

Bar

Use

628

511

611

532

2282 50.9 2282 14.1

859

815

742

860

9276 72.8 9276 20.2

651

638

715

868

2872 63.8 2872 17.7

655

652

794

715

2816 62.6 2816 17.4

690

655

594

701

2620 58.2 2620 16.2

670

775

690

716

2851 63.4 2851 17.6

Shorter than E.P. not as much red.

very heavy, uniform.

sl. shorter than E.P. Standing up better, less leaf discoloration

Taller than Zinnia, leaning considerably, considerable leaf drying

Very similar to E.P., but stem not as stiff, leaning more.

Very heavy growth,

Phys. dis.

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.		SHOOT TERING	DISEASES			
			HEADING 1st FULL	RIPENING 1st FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Inty- loma
		B283A2-7-6, Ex7	409	7/3	7/22	46	0 sl sl sl sl				+	+
		B283A2-9-6, ExF	410	7/1	7/22	49	sl sl bad sl bad				+	+
		Commercial LadyWright	411	7/29	7/20	47	0 0 sl 0 V.sl				+	+
19903	7788	Latex	412	8/31	7/22	45	sl bad sl 0 bad				+	+
19803	545	Lady Wright	413	8/29	7/19	44	0 0 0 0 0				+	+
		S283A2-4-5, ExF	414	7/2	7/2	48	sl sl sl				+	+

grows
Bar the

757
668
628
519

2572 57.2 2572 15.9

over ripe, + lodging
badly. leaves drying look bad

652
579
738
752

2721 60.5 2721 16.8

lodging

685
691
695
740

2811 62.5 2811 17.4

standing up better than
E & 7 sets.

684
696
606
733

2719 60.4 2719 16.8

more leaf drying than S.W. p.
leaving more, leaving

653
620
575
706

2554 56.8 2554 15.8

about like corn m. S.W.

698
726
763
821

3008 66.8 3008 18.6

leaving badly.

T.O. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG. HT. (IN.)	ING %	SHAT- TERING	DISEASES			
			HEADING 1ST FULL	RIPENING 1ST FULL					HARV- ESTED	H.O.	Cerco- spora	White Tip
		C283A3-6-2, ExF 415	9/3	9/22 L		44	0 0 0 0 0			0	0	
		B283A3-5-4-1-1, ExF 417	9/2	9/11		9/25	47	sl sl sl sl sl		0	0	
		B283A4-6-1-2-1-1, ExF 418	9/14	9/30		49	0 0 sl sl sl			0	0	
		Shoemed, Check 419	8/29	9/12		9/30	47	0 sl sl 0 sl		0	0	
		B283A3-4-5, ExF 420	8/31	9/9		9/25	49	0 0 sl sl sl		0	0	
		Cam Lady Wright	8/29				0 sl sl 0 0					

405, 417 & 420 are leaning in some series but are sl taller than
other plots which may be reason

ground Ben the

691

614

658

638

2601 57.8 2601 16.1

standing very well,
seems in excellent condition

699

724

608

607

2638 58.6 2638 16.3

leaning some, taller
than SBA3-6-2.

576

625

605

682

2488 55.3 2488 15.4

too late, out green

606

701

693

641

2641 58.7 2641 16.3

very good

642

613

700

814

2769 61.5 2769 17.1

very good, consid.
taller than I.W. standing
up o.k.

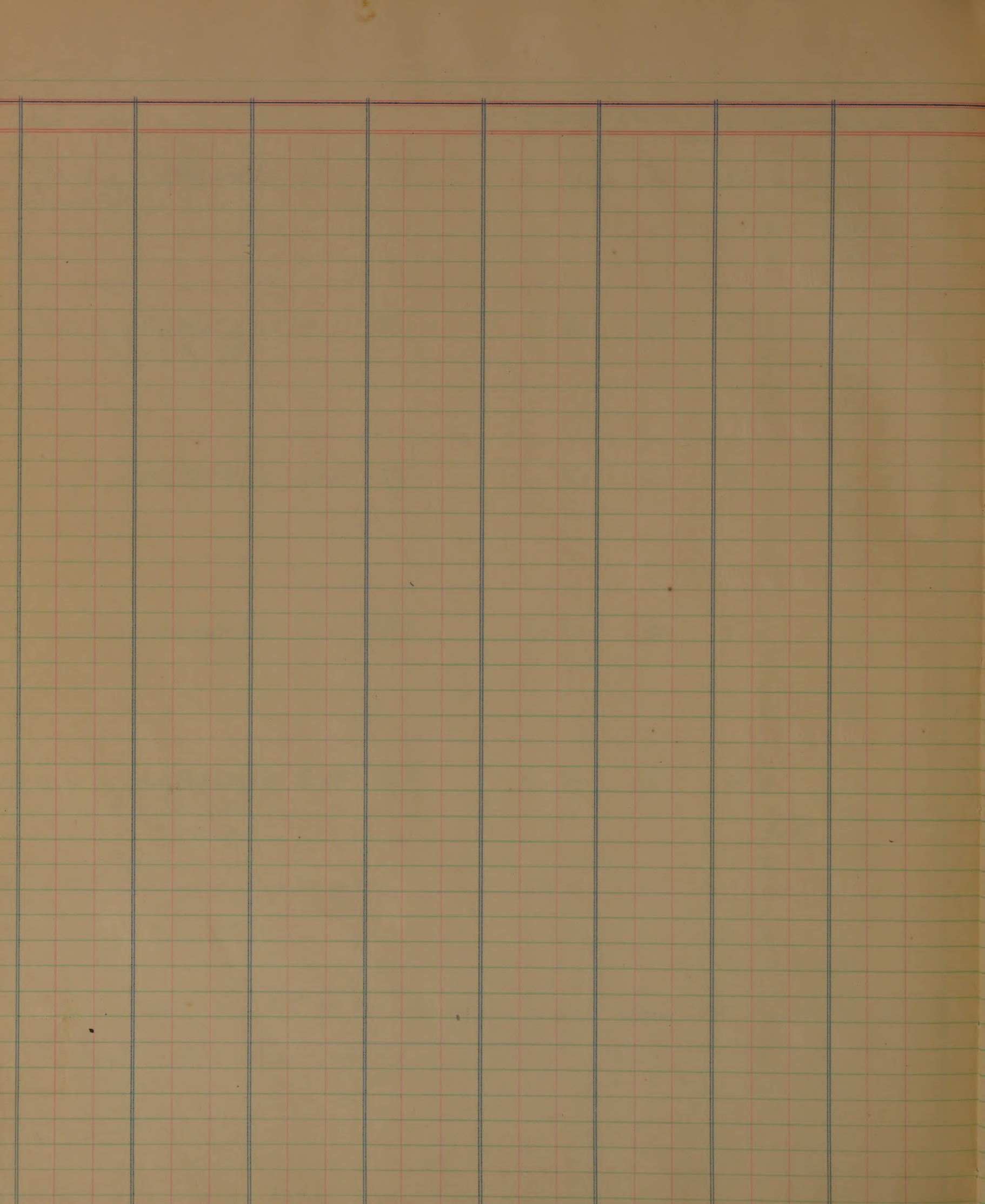
560

659

470

586

2275 50.6 2275 14.0



F
P
K
7
SMITH, ESTHER
1774-1842

Early Group

Field Plots, Early Group

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER			DATES				PLANT LODG.		SHAT- TEARING	DISEASES			
					HEADING 1st FULL	RIPENING 1st FULL		HARV- ESTED	HT. (in.)	ING %		H.O.	Cerco- spora	White Tip	Early Long
19801	5883	Early Prolific	501	A 1	8/6	8/16	8/25	9/4	40						
				B 10	8/3	8/14	8/24	9/3	43						
				C 18	8/5	8/13	8/24	9/4	41						
				D 24	8/5	8/13	8/24	9/5	40						
					8/5	8/14	8/24	9/4	41						
	7787	Zenith	502	A 2	8/5	8/13	8/20	9/1	38						
				B 7	8/5	8/13	8/20	9/1	39						
				C 17	8/5	8/13	8/20	9/2	39						
				D 20	8/7	8/14	8/22	9/2	39						
					8/6	8/13	8/21	9/2	39						
19803	5451	Lady Wright	503	A 3	8/4	8/13	8/22	9/2	39						
				B 12	8/3	8/12	8/23	9/3	40						
				C 13	8/3	8/12	8/22	9/3	38						
				D 23	8/5	8/14	8/24	9/5	37						
					8/4	8/13	8/23	9/3	39						
19805	2127	Edith	504	A 4	8/6	8/15	8/24	9/2	41						
				B 8	8/5	8/14	8/24	9/3	41 on road						
				C 15	8/7	8/14	8/25	9/4	41 on road						
				D 19	8/4	8/12	8/23	9/3	39						
					8/6	8/14	8/24	9/3	41						
19889	3625	Shoemed	505	A 5	8/12	8/21	8/28	9/7	42						
				B 9	8/10	8/21	8/28	9/7	44 on road						
				C 16	8/11	8/20	8/29	9/8	41 on road						
				D 21	8/14	8/22	8/31	9/8	41						
					8/12	8/21	8/29	9/8	42						
19903	7788	Latex	506	A 6	8/6	8/14	8/24	9/3	41						
				B 11	8/6	8/14	8/25	9/3	42						
				C 14	8/8	8/14	8/25	9/3	40						
				D 22	8/9	8/16	8/25	9/4	40						
					8/7	8/15	8/24	9/3	41						

ety

yield in lbs. per plot based on 14.0 moisture
 Acre yield in lbs. per A. = Total yield from 4 series. x 12.5.
 Plots = 100 Acre or 5 1/2' x 163.5'

with 16' being allowed for each plot in
 resulting in an alley of 8" between plots or
 CAN No. 16 between rows
 Moisture 70

DAYS TO MATURITY FROM		YIELD DATA			TEST PER		MILLING DATA					
PLANT EMERG.	40T HEAD	PER PLOT	BU.	LBS.	BBL.	(LBS.)	HEAD RICE	TOTAL RICE				
31.0	.5	31.5				68.3	76.6	-	20	56	12.5	226
40.0	.4	41.4				64.0	76.7	tr(2)			10.6	198
30.3	1.0	31.3				63.5	77.5	-			10.8	106
25.3	.5	26.3				63.0	78.2	tr(1)	47		11.9	194
127.1		139.5	36.2	1631		42	66.0	77.2	tr			
36.0	.8	36.8				60.6	75.7	0.4			11.9	276
43.0	1.6	44.6				64.8	76.6	0.2			10.3	229
38.3	.5	38.8				64.4	76.3	tr(2)			12.8	432
32.3	.8	33.1				64.2	75.6	0.3			11.5	460
149.6		153.3	42.6	1916		42	63.5	76.0	0.2			
30.0	.4	30.4				58.2	76.0	tr(2)			12.8	452
34.0	.0	34.0				64.8	78.0	-			14.0	478
35.3	.0	35.3				67.4	78.3	tr(1)			13.9	250
26.0	.4	21.4				64.7	77.4	tr(1)			12.0	242
120.3		121.1	33.6	1514		40	64.8	77.4	tr			
33.5	1.7	35.2				63.3	75.6	-			9.0	477
47.0	1.4	48.4				60.7	73.2	tr(2)			11.0	422
41.5	.8	42.3				64.0	77.5	tr(2)			12.1	223
24.5	1.0	25.5				69.2	79.0	-			10.0	423
146.5		151.4	42.1	1833		42	64.3	76.3	tr			
35.0	1.4	36.4				58.4	77.8	0.2			10.0	156
50.3	.5	50.8				46.2	76.3	0.5			13.0	463
45.0	1.4	46.4				43.6	74.3	0.5			10.9	315
34.0	.4	34.4				62.9	78.1	0.6			12.8	444
164.3		168.0	46.7	2100		50	52.8	76.6	0.4			
35.8	.4	36.7				66.2	78.5	-			11.6	421
46.0	.5	46.5				68.5	79.5	tr(5)			13.0	199
37.3	.5	37.8				65.6	79.2	-			12.6	255
25.8	.7	25.1				68.0	77.5	tr(1)			16.8	195
144.8		146.1	40.6	1826		40	67.1	78.7	tr			

501 A

502 B

503 A

504 A

505 A

506 A

pl. taller than growth

did not look any better than

growth

Ep

very good appearance

as good as E.P.

growth

growth

growth

growth

growth

growth

growth

growth

growth

growth

growth

growth

growth

growth

growth

growth

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growth

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growth

growth

growth

growth

growth

growth

growth

growth

Field Plots, Midseason Group

T.S. No.	G.I. No.	VARIETY NAME OR SELECTION NUMBER			DATES				PLANT LODG.	HT. (IN.)	ING %	SHAT- TENDING	DISEASES			
					HEADING 1ST FULL	HEADING 1ST FULL	RIPENING 1ST FULL	RIPENING 1ST FULL					HARV- ESTED	H.O.	Cerco- spora	White Tip
	1206	Delitus	507	A	25	8/12	8/28	9/1	9/7	9/24	40					
				B	32	8/10	8/20	9/1	9/7		40					
				C	41	8/15	8/24	9/2	9/7		36					
				D	43	8/14	8/23	9/1	9/8		36					
						8/13	8/23	9/1	9/7		38					
19799	1561	Caloro	508	A	26	8/6	9/15	8/28	9/7		34					
				B	35	8/6	8/15	8/28	9/9		34					
				C	42	8/8	8/16	8/30	9/7		30					
				D	46	8/7	8/17	8/30	9/7		32					
						8/7	8/16	8/29	9/7		33					
19800	1988	Acadia	509	A	27	8/19	8/28	9/9	9/19		36					
				B	31	9/19	8/28	9/8	9/19		36					
				C	39	8/21	8/29	9/9	9/19		33					
				D	48	8/21	8/29	9/9	9/20		35					
						8/20	8/29	9/9	9/19		35					
19889	3625	Shoemed	510	A	28	8/13	8/22	8/30	9/8		42					
				B	33	8/14	8/23	8/30	9/8		41					
				C	38	8/15	8/23	9/3	9/8		39					
				D	45	8/15	8/23	9/2	9/9		37					
						8/14	8/23	9/1	9/8		40					
19926	2702	Nira	511	A	29	8/28	9/4	9/12	9/22		51					
				B	36	8/28	9/4	9/12	9/22		51					
				C	40	8/30	9/6	9/14	9/23		46					
				D	44	8/30	9/6	9/14	9/25		45					
						8/29	9/5	9/13	9/23		48					
9821	1344	Fortuna	512	A	30	8/26	9/2	9/9	9/20		54					
				B	34	8/26	9/2	9/10	9/20		45					
				C	37	8/28	9/4	9/10	9/21		43					
				D	47	8/28	9/5	9/10	9/21		43					
						8/27	9/3	9/10	9/21	V	44					

Drained for homesteading on Sept 15.

DAYS TO MATURITY FROM		YIELD DATA			TEST PER BU. (LBS.)	MILLING DATA		can No & Moisture %		
PLANT EMERG.	1ST HEAD	LBS. PER HEAD	BU.	LBS.		HEAD RICE	TOTAL RICE			
27.8	-.2	27.6				50.9	76.1	0.3	14.8	424 ✓ made a nice growth, 507A
27.3	-.1	27.2				54.1	76.7	0.3	14.4	375 ✓ as heavy as observed. B
20.8	.4	21.2				54.3	76.4	tr(2)	12.3	339 ✓ C
21.3	.4	21.7				57.2	75.4	tr(3)	12.2	410 ✓ D
97.2		97.7	27.1	1221	42	52.6	76.1	0.2		
43.0	-.3	42.7				44.9	78.4	—	14.6	413 ✓ good growth but short, 508A
38.0	.1	38.7				49.6	78.9	tr(3)	12.2	390 ✓ B
31.8	.0	31.8				57.1	80.5	—	14.0	353 ✓ C
33.0	-.1	32.9				52.8	79.8	—	14.4	347 ✓ D
145.8		146.1	40.6	1826	40	51.1	79.4	tr		
47.3	-1.0	46.3				69.3	80.3	—	16.1	358 ✓ similar growth to 509A
45.3	.5	45.8				69.4	80.6	tr(3)	12.8	376 ✓ except late maturing B
37.8	.2	38.0				67.7	80.9	—	13.6	427 ✓ C
40.3	.1	40.4				70.1	80.5	—	13.8	359 ✓ 509 D has only 7 drills instead of 8 D
170.7		170.5	47.4	2131	47	69.1	80.6	tr		
35.0	-.3	34.7				45.5	77.8	0.2	14.8	340 ✓ good heavy growth. 510 A
32.3	-.3	32.0				43.2	77.8	0.6	15.0	189 ✓ B
30.0	-.4	29.6				44.1	76.9	0.6	15.2	388 ✓ C
28.5	-.7	27.8				46.3	76.9	1.0	16.4	373 ✓ D
125.8		124.1	34.5	1551	50	44.8	77.3	0.6		
41.5	-.8	40.7				40.7	76.0	tr(2)	16.0	372 ✓ Rather tall but excellent 511 A
43.8	-.4	43.4				43.5	75.1	tr(2)	14.8	336 ✓ growth appears heavier than 711 B
30.0	-.6	29.4				32.2	74.7	tr(3)	16.1	301 ✓ C
29.3	-.6	28.7				37.4	74.9	0.3	16.0	380 ✓ D
144.6		142.2	39.5	1778	46	38.4	75.2	0.1		
47.8	.8	48.6				57.9	78.0	—	12.4	355 ✓ good, considerably 512 A
45.3	.6	45.9				49.2	77.4	tr(3)	12.7	425 ✓ than 711 B
37.3	.7	38.0				51.5	78.0	tr(2)	12.2	409 ✓ C
40.0	.6	40.6				50.5	76.7	tr(2)	12.5	428 ✓ D
170.4		173.1	48.1	2164	45	52.3	77.5	tr		

Field Plots, Late Group.

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER			DATES			PLANT LODG-		SHAT- TING	DISEASES			
					HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Enty- long
19930	4559	Iola	513	A	49	9/12	9/21	9/29	10/14	53				
				B	55	9/12	9/20	9/29	10/1	53				
				C	63	9/12	9/20	9/29		52				
				D	68	9/12	9/20	9/29		48				
						7/12		10/11		52				
19806	1779	Rexoto	514	A	50	9/21	10/1	10/	10/21	46				
				B	57	9/21	10/1		10/21	45				
				C	62	9/21	10/1			35				
				D	65	9/20	10/1			36				
						9/21		10/19		40				
19889	3625	Shoemed	515	A	51	8/14	8/23	8/30	9/8	41				
				B	56	8/15	8/23	8/30	9/8	41				
				C	59	8/15	8/23	9/2	9/9	41				
				D	67	8/15	8/24	9/2	9/10	41				
						8/15		9/9		41				
7183	1962	Blue Rose	516	A	52	8/28	9/3	9/20	9/30	40				
				B	54	8/28	9/3	9/20	9/30	40				
				C	61	8/30	9/4	9/19	9/30	40				
				D	66	8/30	9/4	9/19	9/30	36				
						8/29		9/30		41				
19802	5795	Sup. Blue Rose	517	A	53	8/27	9/2	9/20	9/30	40				
				B	58	8/28	9/2	9/20	9/30	42				
				C	60	8/29	9/3	9/20	9/30	43				
				D	64	9/28	9/2	9/20	9/30	35				
						8/28		9/30		40				

Early 1940 No. 9/9

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODGE		SHATT-TERING	DISEASES		
			HEADING 1ST FULL	RIPENING 1ST FULL	HARVESTED	HT. (IN.)	ING %		H.O.	Cerco-spore	White Tip
		1600 Colusa	1	1		39			20	tr	tr
		Early Prolific, 3244	2	2	stands up well, good, some discoloration	45	-		25	+	++
		Zenith 5	3	3	good, vigorous, good, no discoloration	45	-		15	tr	tr
		B2916A7-3-1-1, EXBR 32	4	4	good, taller than E.P. M. discoloration	44	-		15	+	+
		B2916A10-4-2, EXBR 163	5	5	Very similar to No. 4, sl. heavier straw	44	-		20	+	+
wt		B2917A29-2-2-1-1, BR 178	6	6	Very good, sl. taller than E.P., heavier than E.P. discolored about like E.P. good grain panicle	46	-		20	+	++
		Early Blue Rose, Ant 20	7	7	Similar to E.P.	42	-		25	+	++
		La. E. Blue Rose 3	8	8	only fair, shorter straw than E.P.	40	-		20	+	++
		Lady Wright 4	10	9	only good,	40	-		25	+	++
		Latex 9	11	10	good, sl. taller than P.W.	41	-		20	+	+
		B283A2-7-6, EXF 13	12	11	good, heavier than P.W. & sl. taller. looks not dried up any more than P.W.	42	-		20	+	+
cut		C283A3-6-2, EXF 18	13	12	fairly good, leaves much better preserved at ripening time.	44	-		20	0	0
		S283A2-4-5 (AH 28-24) 22	14	13	about like 2-7-6 in leaf discoloration	44	-		20	+	++
		S283A5-1-6-1 (AH 28-8) Stutt	15	14	shorter straw than preceding rows, less H.O. loss of panicle heavily damaged from chaff	41	-		15	+	+
		B2916A12-2-1, EXBR 120T	16	15	sl. taller than P.W. & possibly less discoloration	43	-		15	+	+
		C2918A23-3-1 COWD	17	16	fairly good, rather tall, leafy	44	-		25	0	0
		C2918A1-2 BRxD	18	17	only fair, plant leaving quite badly indications on that straw will lodge	49	sl. reb.		20	tr	tr
		C2918A36-2 COWD	19	18	fairly good, similar to C2918A2-2 but stands up better, segregating for straw type	47	?		20	tr	tr
		S2912A15-2-2-1 AH 24-156 Stutt	20	19	medium, fairly good, not as good as 21	48			20	0	0
		S2912A34-2-1-3 AH 24-128 Stutt	21	20	medium, very infirm	47			20	0	0

Pure Seed Nursery

Plot No.	WT.	NO WT.	Plot No.	WT.	no wt.
	1 -44		36	-41	
CP 2	-45		37	-42	
zen 3	-46		38	-41	
4	-46		39	-44	
5	-44		40	-43	
6	-45		41	-45	
7	-46		42	-43	
8	-44		43	-43 not	
L.W. 10	-43		44	-42	
fatoy 11	-45		45	-46 <i>min</i>	
12	-42		46	-47	
13	-43		47	-44	
14	-43		48	-42 <i>del</i>	
15	-42		49	-46	
16	-43		50	-39	
17	-46		51	-40 - <i>calao</i>	
18	-45		52	-40	
19	-45		53	-36	
20	-44		54	-38	
21	-45		55	-37	
22	-45		56	-40	
23	-42		57	-44	
25	-43		58	-42	
26	-41		59	-41	
27	-41		60	-38	
28	-45		61	-37	
29	-40		62		
30	-44		63		no wt.
31	-41		64		no wt.
32	-41		65	-42	
33	-42		66	-40	
34	-44		67	-41	
35	-43		68	-37	
			70	-38	

Phare Seed Nursery

plot no.	wt.	No wt.	plot no.	wt.	No wt.
71	- 37		106	- 47	
72	- 41	- aradiu	107	- 37 ✓	
73	- 40		108	- 37	
74	- 45		109	- 44	
75	- 36		110	- 40	
76	- 38		112	- 37	
77	- 38		113	- 35	
78	- 41		114	- 45	
79	- 44		115	- 39	
80	- 40		117	- 35	
81	- 43		118	- 45	
82	- 38		119	- 40	
83	- 36		120	- 42	
85	- 41		121	- 45	
86	- 45		122	- 36	
87	- 45 ✓		130	- 38	
88	- 45		131	- 39	
90	- 38		133	- 38	
91	- 43		135	- 35	
92	- 42		136	- 35	
94	- 43		137	- 39	
95	- 40		138	- 38	
96	- 42		139	- 34	
97	- 43		140	- 38	
98	- 49		141	- 37	
99	- 41		142	- 44	
100	- 46		145	- 35	
101	- 44		146	- 37	
102	- 47		147	- 43	
103	- 46		148	- 38	
104	- 48		149	- 45	
105	- 37				

Pine Seed Nursery

plot no.	wt.	No wt.	plot no.	wt.	No wt.
150	-38		184	-46	
151	-39		185	-44	
152	-39		186	-44	
153	-37		188	-37	
155	-37		189	-44	
156	-45		190	-45	
157	-44		191	-46	
158	-46		192	-41	
159	-46		193		no wt.
160	-42		194	-43	
161	-45		195	-44	
162	-47		196	-46	
163	-44		197		no wt.
165	-47		198	-45	
166	-48		200	-41	
167	-46		201	-41	
168	-47		202	-38	
169	-43		203		no wt.
170	-45		204	-35	
171	-46		205	-36	
172	-47		206	-35	
173	-46		207	-42	
176	-46		208	-40	
177	-43		209	-38	
178	-42		210	-41	
179	43				
180	-44				
181	-42				
182	44				
183	-45				

Pure Sand Missing.

plate no.	wt.	plate no.	wt.	40 wt.
259	- 43	295	- 37	
260	- 45	296	- 39	
261	- 37	297	- 45	
262	- 40			
263	- 34			
264	<u>- 34</u>			
265	- 40			
266	- 37			
267		605	- 48	
268		607	- 45	
269	- 36	609	- 42	
270	- 38	610	- 45	
270	- 44	611	- 46	
272	- 46	612	- 43	
273	- 43			
274				
275	- 39			
276	- 36			
277	- 36			
278	- 40			
279	- 43			
280	- 44			
281	- 45			
282				
283				
284	- 45			
285	- 40			
287	- 46			
292	- 45			
293	- 48			
294	- 39			

P.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.			DISEASES			
			HEADING 1ST FULL	RIPENING 1ST FULL	HARV. DATE	HT. (IN.)	ING %	SHATT- TERING	H.O.	Cerco- spora	White Tip	Enty- loma
		S2920A32-5-5-67 AH: 29-III	Stutt.	22	21	only fair, rather short	42	sl. sl.	25	+	+	
		B283A3-4-5, EXF	132	23	22	Very good, taller than L.W. strain, leaves very well, + very little discoloration	47		15	0	0	
		Edith, 321	30	25	23	sl. shorter strain than 3-4-5, about as heavy. sl. better looking than 322	45		20	+	++	
		B283A6-4-1-1-1 EXF	126	26	24	only fair, blue leaf.	47		20	tr	++	
		B283A2-9-6, EXF	133	27	25	very similar to 2-7-6	44		20	+	++	
		B2914A14-2-1-1 CA & BR	59	28	26	short strain, fair for type strain good grain, supple	41		25	tr	tr	
		B283A5-4-4-1, EXF	102	29	27	only fair, early, not too heavy	45		20	tr	+	
		B2916A7-2-2, EXF	162	30	28	good heavy plot, but discolored about like EP	48		15	+	++	
		B283A2-4-5, EXF	103	31	29	good row but considerable discoloration	46		15	+	++	
		Lady Wright #31	Calif.	32	30	good appearance, rather heavy grain cleaning, straw type	40		25	+	++	
		B283A3-7-5, EXF	140	33	31	very similar to 2-7-6, as badly discolored + leaves are dying back	45		20	+	++	
		B283A2-10-2, EXF	125	34	32	very heavy row, but considerable discoloration	45		15	+	++	
		Edith, 322	10	35	33	good, badly discolored,	43		20	+	++	
		B283A2-1-2-1, EXF	144	36	34	fairly good, rather tall, free of discolor. leafy	48	leaning sl.	15	0	0	
		Lady Wright Scf. 3365		37	35	good, rather leafy,	41		25	0	0	
		B283A3-3-4-1-1, EXF	129	38	36	good appearance, free of discol.	45		20	0	0	
		B2913A29-1-1-1 CA & BR	158	39	37	good, bracts now rather badly in orange stage	38		25	tr	+	
		B283A2-5-7, EXF	135	40	38	good, but badly discolored	44		20	+	+	
		Honduras	29	41	39	fairly good,	44		30	+	+	
		B283A2-3, EXF	117	42	40	good, but badly discolored	43		20	+	+	

T. S. No.	O. I. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.		SHAT- TERING	DISEASES			
			HEADING 1st FULL	RIPENING 1st FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White- tip	Baby- home
		S-15-1-1-3, EBR.	117	41	Fairly good, but not better than E.P.	44			20	+	+	+
			293	42	Tall, midseason, heavy round but light ribs. straw med. grain, slender.	49			20	0	0	0
			294	45	good, rather stiff neck. good looking grain.	44			20	tr	+	+
		Sel. 351	118	44	very good, med. short-grain jap straw type	43			25	tr	+	+
		Tamasa-i-218-1-8-2	119	45	Very good growth habit, poor grain.	46			15	0	0	0
		Sel.-36WS40	120	46	Fairly good, jap straw type,	47			15	tr	+	+
		B329A2-4-1-1, NaxBR	121	47	Tall, midseason, heavy straw	50			20	0	0	0
		B283A1-3-5-1-1-1, ExF	122	48	fairly good, considerable discoloration	49			20	+	+	+
		B293A2-12-2, AxF	123	49	very good, considerable discolor.	48			20	+	+	+
		Shoemed, Sel.	124	50	fairly heavy, free from discolor.	45			15	0	0	0
		B2914A19-8-1-1-1	126	51	good, rather short straw jap straw type, heavy hulls.	41			15	tr	tr	tr
		B2916A5-2-1, ExBR	127	52	Tall, upright growth habit, many deformed grains.	45			15	+	+	+
		B2916A21-1-1-1, ExBR	128	53	short, semi sterile panicles	45			15	tr	+	+
		B2916A25-2-1, ExBR	129	54	stiff straw, rather short panicles	46			20	tr	+	+
		B2916A28-4-2, ExBR	130	55	very tall, stiff straw much amount of N.D. upright growth habit.	51			5	+	+	+
		B2916A28-5-5, ExBR	131	56	good, stiff straw	46			15	+	+	+
		B2916A31-5-2, ExBR.	132	57	fairly good,	45			15	+	+	+
		B2916A34-3-3-1, ExBR	133	58	very good, sl. better than E.P.	47			25	+	+	+
		B2917A29-2-2-1-1-1, BRxC.G.	135	59	v. good	47			25	+	+	+
		B2917A29-7-1-1-1-1, BRxC.G.	136	60	good	48			25	+	+	+

T.S. J.T. N ^o No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.		SHATT- TERING	DISEASES			
		HEADING 1ST FULL	RIPENING 1ST FULL	HEAVY- BUDS	HT. (IN.)	ING %		H.O.	Cergo- spora	White fly	Enty- loma
	B2918A74-1-1-1, BRxD	137	61 good looking row, free of insects good looking panicles		41			10	0	0	
	B2919A13-S-1, HxBR	138	62 good,		46			25	+	+	
	B2919A13-6-1-1-1, HxBR	139	63 fairly good.		47			25	+	+	
	Sel-353	140	64 Rather poor,		45			15	tr	+	
	2920A Sel. - IBRxF	141	65 Rather poor		44			25	0	tr	
	B323A5-8-1-1, RxsBR	142	66 Fairly good.		43			20	0	+	
	Fortuna.	43	67 consid. drying of lower leaves		51			35	tr	0	
	Creole Bred	44	68 noted much leaf drying as Fortuna		50			35	0	0	
	Nira	45	69 much taller than Ford + Cr. Reed		56			25	0	0	
4440		46	70 consid leaf drying, little strain		51			25	0	tr	
4060		47	71 v. good appearance		51			25	0	0	
1206	Delitus	48	72 leafy margin		49			25	0	tr	
461		49	73 not too vigorous		46			30	0	0	
	Calady Calady	50	74 fairly fair, makes good as Caloro.		40			25	tr	+	
	Caloro	51	75 fair		38			25	tr	tr	
	C2910A31-1, QxD	52	76 Better than Caloro + Calady, leaves remaining green.	39				20	tr	tr	
	B2916A12-1-1-1, ExBR	54	77 vigorous growth, much disease		43			35	++	++	
	B2920A9-9-1-1, IBRxF	55	78 very much leaf drying, vigorous growing.	46				20	tr	+	
	S2920A42-6-1, IBRxF	56	79 sl. shorter than 55, hardly as much leaf drying.	42				20	tr	+	
	B283A3-5-4-1-1, ExF.	57	80 Very good,		44			20	0	0	

T. S. O. I. No No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.		SHAPE TERING	DISEASES		
		HEADING 1st FULL	RIPENING 1st FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White tip
B283A9-6-1-2-1-1, ExF	58	81	d. taller than 57, later		48		20	o	o	
C283A9-6-1-2, ExF	59	82	Very good, hardly as tall as 57		45		20	o	o	
S 2914A18-3-8, ^{CA} ExBR	60	83	Only fair, irregular ht.		46		25	tr	tr	
C2914A6-3-1, CaXBR	61	84	Only fair.		45		25	tr	+	
C2914A6-1-4, CaXBR	62	85	Only fair.		44		25	tr	+	
Alu-11-1C, ShxF	63	86	Considerable leaf drying, very wide leaves. Segregating.		45		15	o	o	
B2920A34-1-1-1, IBRx F	64	87	rather narrow leaves, only fair. poor grain shape		43		25	o	tr	
Ca/xLW, 3173-1	65	88	looks very good, stems leaves quite well.		42		25	tr	tr	
Fortuna, (Tx.)	66	89	good,		50		35	o	o	
B321A2-6-1-1, Rx D	67	90	good,		48		25	o	o	
241A(P1)31-2, Sel.-366	68	91	looks better than original.		47		25	tr	+	
B2912A37-1-1-1, KxBR.	70	92	Poor, stems leaves well. segregating from types		46		25	o	o	
B2912A20-4-3-1-1, KxBR	71	93	good, stems leaves very well.		47		15	o	o	
Acadia	72	94	good,		43		25	o	tr	
B2912A47-1-1-1-1, KxBR	73	95	good, more leaf drying than 71		46		35	tr	o	
B322A2-8-2-1, Rx F	74	96	Very good, some leaf drying		45		30	o	o	
241A(P1)31-2.	75	97	fairly good.		44		25	tr	+	
B283A9-7-1-1-1, ExF	76	98	Too tall, lacks vigor.		51		25	o	o	
B295A18-1-1-1, ExK	77	99	Very good, practically no leaf drying, stiff stems	48			15	o	o	
B283A9-3-2-1-1-1, ExF	78	100	Very good, very little leaf drying stands up remarkably well.		50		25	o	o	

No.	VARIETY NAME OR SELECTION NUMBER	No.	DATES	PLANT LODG.	STAT.	DISEASES					
						H.O.	Cerco- spora	White fly			
									Enty- loma		
			HEADING 1ST FULL	1ST FULL	HARV- ESTED	HT. (IN.)	ING %	TERING			
B321A2-8-2-1, RxD	79	101	good, very little leaf dying.			46		25	0	0	
B283AS-2-6-1-1, EXF	80	102	V. good growth but badly discolored			49		20	+	+	
B2912A13-2-2-1-1, KxBR	81	103	V. good, very little leaf dying.			46		15	0	0	
B295A18-2-2, EXK	82	104	retains leaves very well, clean straw, but poor panicle			46		15	0	0	
B283AS-10-6-2-1, EXF	83	105	V. good growth but consid. dead leaves & badly discolored			46		25	+	+	
B283AS-5-1-1-1-1, EXF	145	106	Fairly good looking			47		20	0	0	
B297A18-2-1-2-1-1, COXD	146	107	Fair - good panicles			45		30	tr	+	
B2912A7-3-1-1-1, KxBR	147	108	good but short panicles, some leaf dying			42		20	0	0	
B2912A12-3-3-1-1, KxBR	148	109	poor,			42		30	tr	tr	
B2912A13-2-2-1-1-1, KxBR	149	110	Very good, probably better than	81		43		15	0	0	
B2913A12-1-1-1-1, COxBR	150	111	fairly good, considerable leaf dying			44		30	tr	+	
B2913A12-2-1-1-1-1, COxBR	151	112	Only fair,			45		25	tr	+	
B2913A17-3-1-1-1, COxBR	152	113	good,			46		25	+	+	
B2913A32-1-1-1-1, COxBR	153	114	Only fair			45		25	tr	tr	
B2920A25-1-2-1-1, JBRxF	155	115	good, rather leafy, retains leaves well.			47		30	0	tr	
B321A2-3-2-1-1, RxD	156	116	good,			44		25	0	0-tr	
B321A2-5-3-1-2, RxD	157	117	good, dig. for pub. - all smooth			46		30	0	tr	
B321A2-8-1-2, RxD	158	118	V. good,			46		20	0	0	
B321A2-8-1-2-1, RxD	159	119	Only fair			46		25	0	0	
B321A2-8-2-2, RxD	160	120	good,			48		20	0	0	

T. S. O. I. No. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.		SHAT- TERING	DISEASES		
		HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White spot Phys. dead
	B321A2-13-4-1, RxD	161	121	good, sl. taller than preceding rows.	48			25	0	0
	B322A2-8-2-1-1, RxF	162	122	good, stiffer straw than RxD sel.	47			30	0	0
	B322A4-2-3-1, RxF	163	123	good, straw hull color.	48			30	0	0
	B323A1-10-2-1, R x SBR	165	124	short straw, fair.	41			30	0	tr
	B323A2-8-2-1, R x SBR	166	125	v. good	44			25	0	0
	B323A2-8-2-1-1, R x SBR	167	126	v. good Adv. 167 rather than 166. sl. more uniform.	45			20	0	0
	B323A3-11-1-1, R x SBR	168	127	short stiff straw, fair.	42			25	tr	+
	B323A5-2-1-1, R x SBR	169	128	only fair - stiff straw	43			25	tr	+
	B324A1-11-2-1-1, R x 5094	170	129	good,	45			30	tr	+
✓	B328A1-3-1-2, EP x F	171	130	fairly good.	45			25	tr	+
	B3313A1-16-1, R x 7689	172	131	good, stiff straw Adv. in '38	44			25	0	tr.
	B3313A1-16-2, R x 7689	173	132	not as good as 172	43			25	0	tr
	Unnamed Japanese	85	133	short straw, not vigorous growing	40			30	tr	tr
	Rexoro	86	134	v. good	52			20	0	0
7183	Blue Rose	87	135	v. good,	48			35	+	+
	B2911A8-11, K x H	88	136	v. good, Uniform considerable leaf drying but clean straw	44			25	0	0
	C2912A6-1	90	137	Rather tall, vigorous	49			30	0	0
	B2912A42-2-1-2, K x BR	91	138	sl. taller than BR. - rank growth, bad for disease	50			35	+	+
	C2912A26-1, K x BR	92	139	fairly good	51			25	0	0
	B2913A31-2-1-4, C x BR	93	140	heavy row but too much disease	49			25	+	+

O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES		PLANT LODG.	HT. (IN.)	ING %	SHAT- TERING	DISEASES		
			HEADING 1ST FULL	RIPENING 1ST FULL					HARV- ESTED	H.O.	Cerco- spora
	C29/2A10-1, KxBR	94	141	Hardly as vigorous as 92 or 93 buds very badly diseased, worse than BK		49			20	0	0
	B29/4A36-4-1-1, CoxBR	95	142	good. Buds cleaner than 94		46			20	tr	tr
	B29/4A11-1-1-1, CoxBR	96	143	only fair		41			25	+	+
	B323A5-17-3-2, RxSBR	97	144	good		53			25	0	0
	Tinuco, 3221	98	145	good		49			35	+	+
	B283A6-2-3-1-1-1, ExF	99	146	good		48			30	+	+
	B29/2A23-1-1-1, KxBR	100	147	Rather tall, considerable grain		54			35	+	+
5548		101	148	very good		49			15	0	0
	Sel. 342	102	149	very good		47			30	+	+
	Sel. 354	103	150	v. good		54			30	0	0
4504		104	151	good, but too tall		59			30	0	0
	B29SA5-3-2-1-1, ExK	105	152	Fairly heavy row, but rather tall		57			25	0	0
	B32/1A2-1-2-2, RxD	106	153	Very heavy row		54			25	0	0
	Sup. Blue Rose	107	154			51			30	+	+
	B29/3A31-2-1-3, CoxBR	108	155			50			30	+	+
	B324A1-8-2-1, RxSog4	109	156	v. good		59			30	0	0
	B29SA20-1-3-1-1, ExK	110	157	good appearance but undesirable buds		49			15	0	0
	B29/2A7-2-2-1, KxBR	112	158			43			25	+	+
	B29/3A31-3-1-1, CoxBR	113	159			50			30	+	+
	Tinuco	114	160			49			35	+	+

S.S.O.I. No. No.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.		SHAT- TERING	DISEASES			
		HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip phys. diseas.	Warty Loma
	Iola	115	161	good growth			55		30	0	0
	Tamasahi, 218-7	176	162	good			46		20	tr	+
	B283A9-7-4-1-1-3, EXP	177	163	good growth			51		35	+	+
	B283A10-3-1-1-1-1, EXP	178	164	v. good growth			50		40	+	+
	B283A8-3-1-1-1-1-1, EXP	179	165	early fan, early maturity			48		30	+	+
	B297A11-2-1-1, COXD	180	166	early fan			54		25	+	+
	B2912A4-2-1-1-1, KxBR	181	167	good—			46		35	0	tr
	B2912A19-2-1-1, KxBR	182	168	early fan			47		35	+	+
		295	169				46		30	+	+
		296	170				49		20	+	+
	B2912A42-2-1-1-1, KxBR	183	171				51		20	+	+
	B2916A35-1-1-1, EXBR	184	172				54		20	+	+
	B298A20-7-1-2-1-1, BRXD	185	173	very good, but too leafy. <u>Adm.</u> Very leafy, good height.			49		25	0	0
	B2920A13-2-2-1-1-1, IBRxF	186	174	very good			54		15	0	0
	B2920A25-5-2-1-1, IBRxF	188	175	good, but not as promising as 186.			57		20	0	0
	B321A2-3-2-1, RxD	189	176	midseason maturity, good. leaf for pubescence			48		25	0	0
									v. large spots		
	B321A2-3-2-2, RxD	190	177	very good, tall			50		25	0	0
	B321A2-5-1-1-1, RxD	191	178	v. good not as tall as 190			49		15	0	0
	B321A2-11-4-1-1, RxD	192	179	midseason maturity			46		30	0	0
									v. large spots		
	B322A2-2-1-1-1, RxF	193	180	midseason maturity			48		30	0	+

G.T. No.	C.T.	VARIETY NAME OR SELECTION NUMBER	DATES			PLANT LODG.		SHAT- TERING	DISEASES			
			HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	Walter- Tip phus discol	Enty- loma
		B322A2-5-2-1-1, RxF	194	181	mildew	48			35	0	+	
		B322A4-1-1-1-1, RxF	195	182	mildew	50			30	0	0	
		B322A4-4-1-1-1, RxF	196	183	mildew, short straw	43			30	0	0	
		B323A1-1-3-1-1, R x SBR	197	184	mildew	51			25	0	+	
		B323A1-11-4-1-1, R x SBR	198	185	good growth	50			35	0	0	
		B323A3-1-1-1, R x SBR	200	186	v. good stiff straw Uniform ht. advance in 1939	51			30	0	0	
			297	187	v. good first sheaves badly broken than 20, stiffer straw	46			25	0	0	
		B323A3-4-1-1-1, R x SBR	201	188	v. similar to 297 but hardly so good, shorter ⁴⁵				25	0	0	
		B323A3-13-1-1-1, R x SBR	202	189	Taller than 201 & 297, good	49			25	0	tr	
		B324A4-5-2-1-1, R x 5094	203	190	good, late	49			25	0	0	
		Imp. Blue Rose Sel.	204	191	fairly good	51			30	+	+	
		Sel 364M-10	205	192	fairly good.	49			50	+	+	
		Sel 364S-19	206	193	good, late	52			30	0	0	
		K x H Sel.	207	194	v. good,	49			25	0	0	
		6756	208	195		44			25	tr	+	
		6796	209	196	shorter straw 7.5 inch. but less disease	43			25	0	0	
		6812	210	197	Taller than 6796 & 6756	46			25	tr	tr	
		AH, Early Fortune Stutt.	274	198		49			35	tr	tr	
		AH-29-55 Stutt.	275	199	good grain type, (mildew)	45			25	+	+	
		AH-29-59 Stutt.	276	200	good, (mildew)	46			35	0	0	

T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER		DATES		PLANT LODG.		SHAT- TERING	DISEASES			
				HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.	Cerco- spora	White Tip	Enty- loma
		AH-29-40	277	201	Only fair		45		25	0	tr	
		AH-29-139	278	202	good.		50		30	tr	tr	
		AH-29-56	279	203	Only fair		46		35	tr	tr	
		AH-29-58	280	204	fairly good		47		35	0	0	
		AH-29-140	281	205	Only fair		48		25	+	+	
		187	282	206	Short stem, 4 panicles, lacks vigor, as good as unnamed Jap or possibly better		41		20	0	0	
C.I. 7253	189	283	207		Full, long panicle, red seed coat		57		20	0	0	
	211	284	208				48		25	+	+	
	213	285	209				44		25	+	+	
C.I. 3564	225	286	210		Fair		43		30	0	tr	
Kohakuryu 327	229	287	211		good, Too leafy		49		35	0	0	
C.I. 4700	3501	288	212				50		0	0		
" 7044	3506	289	213				40		0	0		
" 7099	3507	290	214				35		0	0		
" 7402	3513	291	215				38		0	0		
Caloro	Calif.	292	216									
Calady	Calif	259	217									
Blue Rose	Calif	260	218									
Zenith	Wash	261	219									
Early Prolific #6	Calif	262	220									

all sent from to Tullis
to send to Brazil

93 ~~||||~~ ~~||||~~ ~~||~~

104

88

11

1.15

89

11

1.26

100

1.37

120

1.10

220

2.21 115

2.21

2 $\overline{) 452}$
2.26

2.10

221

22

22

20

231

64

$\overline{) 452}$

8

512

2.10

2.20

2 $\overline{) 430}$
1.15

|||||

22

22

20

64

2

128

48

3

51

88.98

98

88

$\overline{) 186}$

93

109

99-

$\overline{) 208}$

104

2.20

2.20

1102

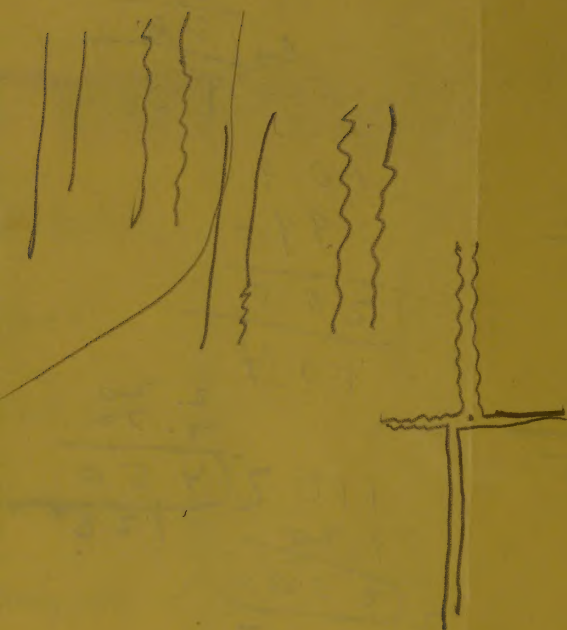
$\overline{) 450}$

120

125

2 $\overline{) 230}$

115



T.S. No.	O.I. No.	VARIETY NAME OR SELECTION NUMBER	DATES		PLANT LODG.		SHAT- TERING	DISEASES			
			HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)		ING %	H.O.	Cerco- spora	White Tip
		241A(P1)31-2 ^{PAH.} _{BM.}	263	221							
3794			264	222							
		C297A9-1-2-1 Crowley (COXD)	265	223 ✓							
		Aw5-1 Crowley	266	224							
		Aw5 Crowley	267	225							
		C299A25-4-1 Crowley (CaxH)	268	226							
		C2917A14-1 Crowley (BRXC.G.)	269	227							
		C220b-3-1 Crowley BRXNira	270	228							
		C321A3 Crowley EXRD	271	229							
		C295A33-1-2 Crowley EXK	272	230							
		C245A38-1-2 Crowley EXK	273	231							
Hybrid Selections from California, Sent by J.W. Jones.											
		297A28-2-2-1-1-1, COXD	601	calif.							
		2910A19-1-2-1-2-1, DXCA	602	"							
		2910A19-1-2-2-3-3, DXCA	603	"							
		2911A32-2-2-2-1-1, KxH	604	"							
		2911A32-2-2-2-1-4, KxH	605	"							
		2913A3-3-3-2-1-1, COXBR	606	"							
		2913A6-2-1-1-1, COXBR	607	"							
		2913A32-1-1-2-1, COXBR	608	"							
		2914A3-3-3, CAXBR	609	"							
		2914A20-1-2-1-2, CAXBR	610	"							
		2914A46-1-1-1-1-1, CAXBR	611	"							
		2916A24-1-1-1-1-1, EXBR	612	"							
		2916A28-1-1-1-2-1, EXBR	613	"							
		2916A62-1-2-1-1-1, EXBR	614	"							
		2917A38-1-1-1-1-2, BRXC.G.	615	"							
		2919A13-1-1-2-1-1, HxBR	616	"							
		2919A38-2-2-1-1-1, HxBR	617	"							
		2919A69-1-1-1-1, HxBR	618	"							

249 in P.S.

					DATES			PLANT LODG.		SHAD- TENDING	DISEASES			
					HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White TD	Enty- locus
371A1 B2916A28-4-2 x B283A5-4-4-1					8/12	9/10		53						phys dial
2					8/26									
grow	✓	OK	3	OK	8/13	9/8		50	0		25	tr	+	+
					leaves dry up quite rapidly, sheath spot +, there are.									
	✓	OK	4	OK	8/13	9/9		56	0		25	tr	+	+
	✓	OK	5	OK	8/11	9/7		55	0		25	tr	+	+
grow	✓	OK	372A1	B283A5-4-4-1 x B283A2-7-6	8/7	9/5		54	0		35	tr	+	+
	OK	2			OK 8/7	9/5		55	0		35	tr	+	+
grow	✓	OK	373A1	B283A5-4-4-1 x B2916A7-3-1-1	8/2	9/1		57	0		35	1.5	+	+
	not fr.	OK	2		8/9	9/5		49						
3					8/4	9/3		60						
4					8/7	9/3		50						
✓	OK	5			8/4			57						
✓	OK	6			8/5			55						
✓	OK	7			8/7			54						
✓	OK	8			8/5			53						
✓	OK	9			8/5			51						
10					8/4									
✓	OK	11			8/1			59						
12					8/7			50						

				DATES		PLANT LODG.		DISEASES			
				HEADING	RIPENING		HT.	ING	SHAT-		
				1ST FULL	1ST FULL	HARV-ESTED	(IN.)	%	TERING	H.O.	Cerco-White spora tip
not a cross	374A1		B283A6-4-1-1-1-1 X B283A2-7-6				55				
✓	OK	374A2		8/8	9/5		57		0	25	15
grow	may not be cross	3		8/10			57				
✓	OK	375A1	B283A6-4-1-1-1-1 X B291A7-3-1-1				55				
grow	✓	OK	2	8/5	9/7		56			25	tr + in sup. not stage
✓	OK	3		8/7			54				
✓	OK	4		8/12			54				
✓	OK	5		8/3			56				
✓	OK	6		8/5			58				
not a cross	6			8/7			55				
✓	OK	7		8/7			59				
✓	OK	8		8/5			56				
✓	OK	9		8/4			56				
✓	OK	10		8/5			54				
✓	OK	11		8/7			56				
✓	OK	12		8/5			56				
✓	OK	13		8/8			55				
✓	OK	14		8/8			54				
✓	OK	15		8/5			57				
✓	OK	16		8/7			55				
✓	OK	17		8/8			54				
✓	OK	18		8/6			53				
✓	OK	19		8/11			54				
✓	OK	19		8/9			58				

Very little leaf dying + plants
stand up much better in row
- ripe stage than preceding ones

not a cross acc. Blue leaf color

				DATES			PLANT LODG.		DISEASES				
				HEADING	RIENING		HT.	ING	SHAT-	CERCO- WHITE			
				1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%	TERING	H.O.	spora	tip - loom	
✓	not a cross	376A	B2920A9-9-1-1 X Shoemed	8/13			55						phup dried
✓	grow	OK 376A 2		8/13	9/5		57	tr	15	0	tr	tr	
✓	OK	3		8/14			54						
✓	OK	4		8/13			57						
✓	not a cross	5		8/15	not a cross		51						
✓	OK	6		8/13			58						
✓	OK	7		8/13			55						
✓	OK	8		8/15			56						
✓	OK	9		8/14			56						
✓	not a cross	10		8/17	not a cross		55						
✓	OK	11		8/14			58						
✓	not a cross	12		8/19	not a cross		52						
✓	OK	13		8/13			59						
✓	grow	377A	B2920A9-9-1-1 X B2916A28-4-2	8/4			55						
✓		2		8/4			54						tr + leaves not drying back as much as on other plants in cross
✓		3		8/4			53						tr +
✓	? may not be a cross	4		8/15			54						tr +
✓	? may not be a cross	5		8/9			52						tr +
✓		6		8/9			55						tr +
✓		7		8/8			57						tr +
✓	? may not be a cross	8		8/20			57						tr +

B2920A9-9-1-1 X Shoemed

8/13 not a cross

plants here pr hinds, culms all the way up; hulls ridged like 2920A9-9-1, (pr hinds)

8/14 auto death pr in mine

8/13 57

8/15 not a cross 51

8/13 58

8/13 55

8/15 56

8/14 56

8/17 not a cross 55

8/14 58

8/19 not a cross 52

8/13 59

8/4 55

8/4 54

8/4 53

8/15 54

8/9 52

8/9 55

8/8 57

8/20 57

leaves not drying back as much as on other plants in cross

tr +

tr +

tr +

tr +

tr +

tr +

tr +

		DATES		PLANT LODG.	SHAT	DISEASES		
		HEADING	RIPENING	HT.	ING	TERING	H.O.	Cerco-
		1ST FULL	1ST FULL	(IN.)	%			spora
								White
								Tip
								Enty-
								loma
	378A1	B2911A18-1-1 Sel	* Not fertilized	56				
grow	OK 379A1	B2911A18-1-1 Sel. x B314A8-2-2-4	8/31	61		Best		
	OK 2✓		8/31	59		good for ch spot		
	OK 3✓		8/29	60		sh. spot		0
	OK 4✓		8/28	61		sh. spot.		0
may be a stray plant	5 not here.		8/29	52		face		0
	OK 6✓		8/29	57		+		
	OK 7✓		8/31	56		+		
	OK 8✓		8/31	58		++		
grow	3710A1	B2911A18-1-1 Sel. x Blue Rose	8/22	52		-	th	
	2✓		8/23	51		+	+	
	3✓		8/25	52		-	+	
	4✓		8/22	55		-	+	
	5✓		8/24	53		++	0	
	6✓		8/24	51		+	+	
	7✓		8/23	53		+	+	
not across	3711A1	B2911A18-1-1 Sel. x B314A8-2-2-4	8/23	49				
grow	3711A 2✓		9/3	56		5	0	
	3✓		9/2	57		5	0	
	4✓		9/1	56		10	0	
	5✓		9/1	53		10	0	

				DATES			PLANT LODG.		SHATT- TERING	DISEASES			
				HEADING 1ST FULL	8/24 RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %		H.O.	Cerco- spora	White Tip	Enty- loana
not a cross	3711A	6	B2911A18-1-1Sel(3263) x B314A8-2-2-4		8/24		48						
not a cross		7			8/25		49						
not a cross		8			8/23		51						
	3711A	9			9/3 ✓		56			20	0		
grow	3712A	1	B2911A18-1-1Sel(3263) x BlueRose		8/24		50			+	0		
		2			8/23		49			+	0		
		3			8/23		50			+	0		
		4			8/26		46			+	0		
grow	3713A	1 ✓	Shoemed x Rexoro		8/21		58			+	0		
may not be cross		2 ✓			8/17		53						
may not be cross		3 ✓			8/16		56						
OK		4 ✓			8/19		58						
OK		5			8/21		56						
	3714A	1	F1 Panicle 3512A, Not cross fertilized		8/15		57						
		2			8/21		53						
		3			8/22		54						
		4			8/22		64						

				DATES		PLANT LODG.		SHAT- TERING		DISEASES			
				HEADING	RIPENING		HT.	ING		H.O.	Color	Shape	Size
				1ST FULL	1ST FULL	HARV.	(IN.)	%					
			3715A 1	F ₁ (3512A) x BlueRose	7/2		63				+	+	
			same 2		9/2		57		same		+	+	
			" 3		8/27		52				+	+	
OK	✓	Saw X	" 4		8/27		58				5	0	
		X	" 5	Very good grain	8/29		57				+	+	
			same 6		8/21		57				+	0 good only	
			" 7		8/28		59				+	+	
OK	✓	X	" 8		9/5		58				10	0	
		X	" 9	fair sl. flat.	9/3		54				10	0	
			10	fair gr sl. flat.	8/26		55				+	+	
			same 11								may not head		
			same 12	excellent grain shape texture	7/6		60				+	0	
			" 13	poor grain	8/30		61				+	+	
OK		X	" 14	fair tex., poor shape	7/5		57				5	0	
OK			same 15	excellent shape & tex.	7/4		53				+	0 good	
OK	✓		same 16	excellent tex.	7/2		53				0	+	good
			" 17		7/1		58				+	+	
			" 18	good texture	8/26		50				+	+	
			same 19	poor texture	8/23		53				0	+	good
		X	" 20	fair texture, good shape	8/21		53				+	0 good	
		X	" 21	fair texture & shape	8/29		59				+	0	
			same 22	fair texture & shape	8/30		58				+	+	
			" 23	sub. same	8/27		50				+	+	
			same 24		8/26		54				+	tex	
			" 25	wh. B. + poor shape	8/19		54				15	0	
		X	" 26	good texture & shape	8/28		52				+	+	
			" 27		7/5		54				+	+	
○		X	" 28	v. good texture	7/2		58				+	+	
			same 29								may not head		
			same 30	v. good tex. & shape	9/2		56				+	+	
			same 31	egg type pr type	9/19		57				+	0	
			same 32		8/28		59				+	+	
		X	" 33		8/27		46				0	++	
			" 34		7/29		50				+	+	
			same 35	Red seed coat	8/8		60				5	0	
			same 36	good texture	8/23		55				+	0	
		✓	" 37	good texture	8/22		56				++	+	
			same 38		8/29		59				15	0	
			same 39	excellent tex & shape	7/2		57				+	+	
OK		X	" 40		7/15	9/19	42		-		+	tex	
			" 41		7/4		51		+		+	+	
			" 42		7/11		58		-		+	+	
			" 43		7/1	9/10	41		-		+	+	

				DATES			PLANT LODG.		SHAT- TEARING	DISEASES		
				HEADING	RIPENING	HARV- SPED	HT.	ING		H.O.	Cerco- spora	White Tip
				1ST FULL	1ST FULL		(IN.)	%				Enty- loma

3715A43 F1(3512A) x Blue Rose

44

8/11

OK 3716A1 C.I. 6121-3 x C.I. 6993

8/15

9/7

0

25

0

to

17 culms, all base panicle; Pub. rough; hulls ogl. Bristles like 6993; Red auras partly averted, averts almost green, internodes not green

3717A1 C.I. 6121-3 x C.I. 6993

8/15

Flow mottled pro-bully, grain appears to be only a trace pubescence, leaves rough; ogt rough internode p.c. averts th. purple in veins; inner at. deep pr; apic. pr; no auras.

8/15

not a cross

48

like 6121-3

3718A1 C.I. 6011 x C.I. 5810

8/14

8/8

Straw-buller, reddish purple apic; straw ogl. Rough pub; nodules green; internodes reddish to purple at base, not colored at base of panicle; averts almost green; reddish purple; seed coat, brown or amber.

8/7

3719A1 C.I. 6011 x Italian Red

8/25

70

7/28

Straw-buller ogl; reddish purple apic; very few reddish tip auras; rough pub; red seed coat; purplish auricles, pubescence and nodes; internodes colored in veins at base of plant only. Atr in tips limited to apic.

8/23

52

not a cross, like 6011

8/1

Same as No. 2

8/19

47

8/19

53

8/17

47

7/30

Same as No. 2

8/16

52

3/16

53

					DATES		PLANT LOGS		SHADE TERRING	DISEASES			
					HEADING 1ST FULL	RIPENING 1ST FULL	HARV- ESTED	HT. (IN.)	ING %	H.O.	Cerco- spora	White Tip	Enty- loma
371A R	20-1 ✓	B2916A28-4-2	Amount of leaf drying		8/16			51			+	+	
	2 ✓				8/19			50					
	3 ✓				8/16			49					
	4 ✓				8/17			51					
	5 ✓				8/19			53					
					8/17			51					
373A R	21-1 ✓	B283A5-4-4-1			8/7			55			+	+	
	2 ✓				8/8			51					
	3 ✓				8/10			47					
	4 ✓				8/8			52					
					8/8			51					
374A R	22-1 ✓	B283A6-4-1-1-1-1	Very little leaf drying - considerable phys. decay.		8/11			54			tr	+	
	2 ✓				8/11			53					
	3 ✓				8/10			52					
	4 ✓				8/11			53					
	5 ✓				8/11			54					
					8/11			53					
375A R	23-1 ✓	B283A6-4-1-1-1-1			8/11			51			tr	tr	
	2 ✓				8/9			49					
	3 ✓				8/10			53					
	4 ✓				8/11			52					
	5 ✓				8/8			52					
					8/10			51					
376A R	24-1 ✓	B2920A9-9-1-1	ann	+	8/21			54			tr	tr	some small sp.
	2 ✓			-	8/18			52					
	3 ✓		some		8/19			48					
	4 ✓		some		8/20			47					
	5 ✓		some		8/19			52					
					8/19			51					
377A R	25-1 ✓	B2920A9-9-1-1		some	8/19			51					
	2 ✓			some	8/18			52					
	3 ✓			some	8/17			49					
	4 ✓			some	8/19			53					
	5 ✓		Very little		8/19			50					
					8/18			51					
379A R	26-1 ✓	B2911A18-1-1 Sci. 3264			8/23			47					
	2 ✓				8/23			52				+	
	3 ✓				8/23			48		20	0	-	
	4 ✓				8/24			51				-	
	5 ✓				8/23			49				-	
					8/23			49					

		DATES		PLANT LODG- HT. (IN.)	ING %	SHAT- TERING	DISEASES			
		HEADING 1ST FULL	RIPENING 1ST FULL				H.O.	Cerco- spora	White Tip	Enty- loma
3710A	27-1	B2911A18-1-1 Sel. 3264	8/24		52					
	2		8/26		52					
	3		8/27		46					
	4		8/28		48		15	0	0	
	5		8/25		50					
3711A	28-1	B2911A18-1-1 Sel. 3263	8/24		46		15	0	0	
	2		8/25		45					
	3		8/24		45					
	4		8/24		47					
	5		8/23		46					
3712A	29-1	B2911A18-1-1 Sel. 3263	8/24		45					
	2		8/27		44					
	3		8/26		43					
	4		small plant							
	5		8/24		45		15	0	0	
3713A	30-1	Shoemed	8/16		56					
	2		8/17		47					
	3		8/17		52					
	4		8/15		51					
	5		8/17		51		15	0	0	
3714A	31-1	C.I. 6121-3	8/16		51					
			8/16		46					
	32-1	C.I. 6121-3	8/14	like 6121-3	43					
	2		8/18	like 6121-3	45					
	3		8/18	like 6121-3	43					
3718A	33-1	C.I. 6011	8/8	not 6121-3, but 6121-3, less pub. much more like to hybrid 3712A1 except that leaves shape less pub. more like 6121-3 in the aspect	48					
			8/6	like 6121-3	48					
			8/17		45					
			8/23		51					
			8/23		49					
3718A	34-1	B283A2-7-6	8/8		46					
	2		8/8		46					
	3		8/8		47					
	4		8/8		45					
	5		8/8		47					

phys. anal

		DATES		PLANT LODG.		SHAT-TERING		DISEASES			
		HEADING	RIPENING		HT.	ING		H.O.	Cerco- spora	late to	Enty- loma
		1ST FULL	1ST FULL	HARV- ESTED	(IN.)	%					
35-1	B24/6A7-3-1	8/5			54				+	+	
2	✓	8/9			51				+	+	
3		8/5			49				+	+	
4	✓	8/7			53				+	+	
5	✓	8/7			50				+	+	
		8/7			51						
36-1	Blue Rose	8/28			54						
2		8/29			50			15	25		
3		8/28			50						
4		8/29			51						
5		8/28			52						
		8/28			51						
37-1	3/4A8-2-2-4 ✓	9/1			49			5-10	0		
38-1	Rexoto	9/13			55			20	0		
2		9/14			55						
3		9/15			57						
		9/14			56						
39-1	C.I. 6993	8/8			37						
2		8/8			36						
3		8/8			32						
		8/8			35						
40-1	✓ Italian Red	8/8			40						
2	✓	8/8			36						
3	✓	8/8			35						
4	✓	8/8			38						
5	✓	8/5			40						
		8/5			38						

F₁ Hybrids from Washington, D.C.

[illegible]

West Row:

C.I. 4700 x Rexoro (A)
(9 plants)

C.I. 4700 x Rexoto (B)
(5 plants)

Rexoro x 8/C
(8 plants)

Shoemed x Early Prolific
(4 plants)

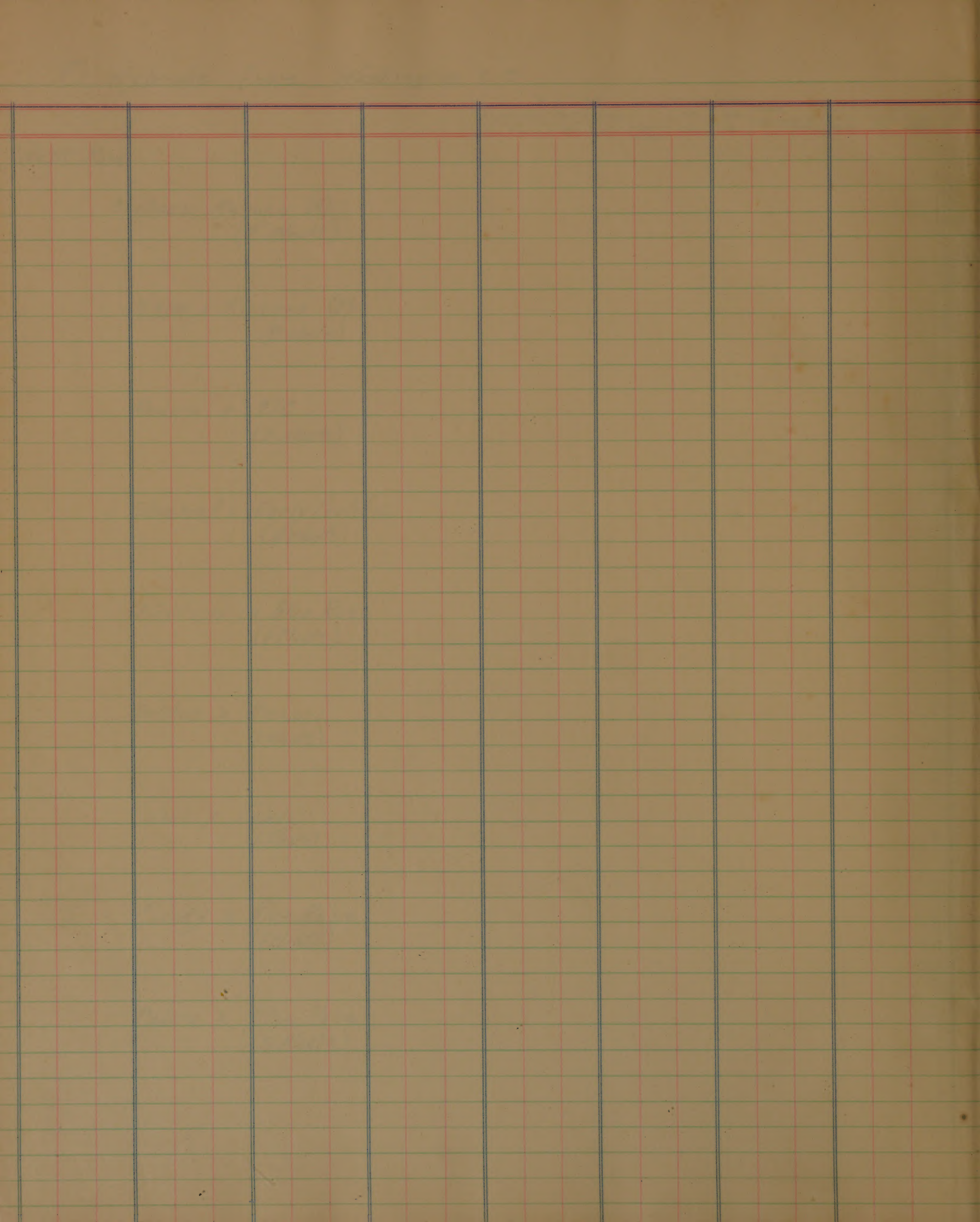
Fortuna x Blue Rose
(4 Plants)

Delitus x Rexoro
(6 plants)

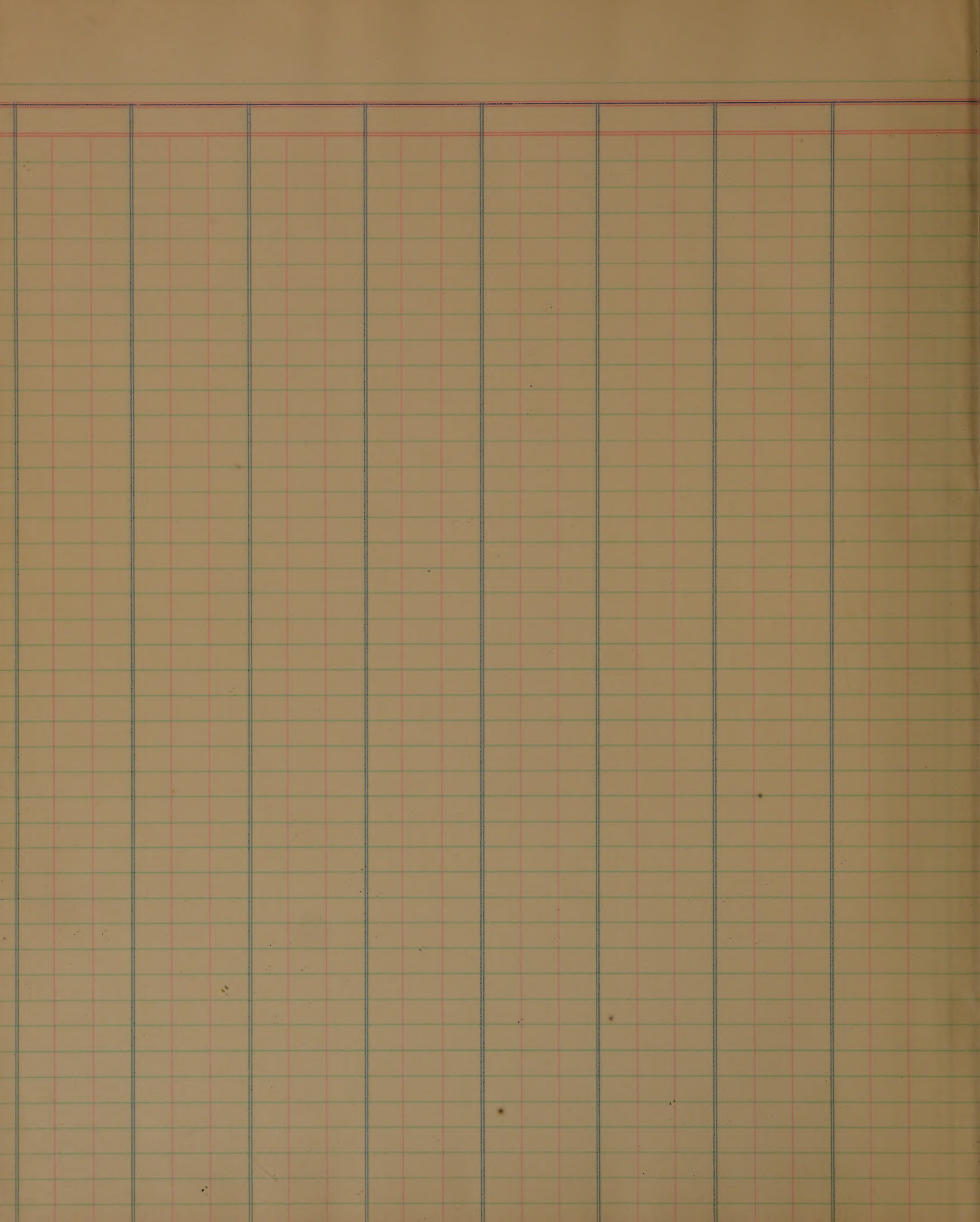
Caloto x Calady
(6 plants)

Calady x Blue Rose
(4 plants)

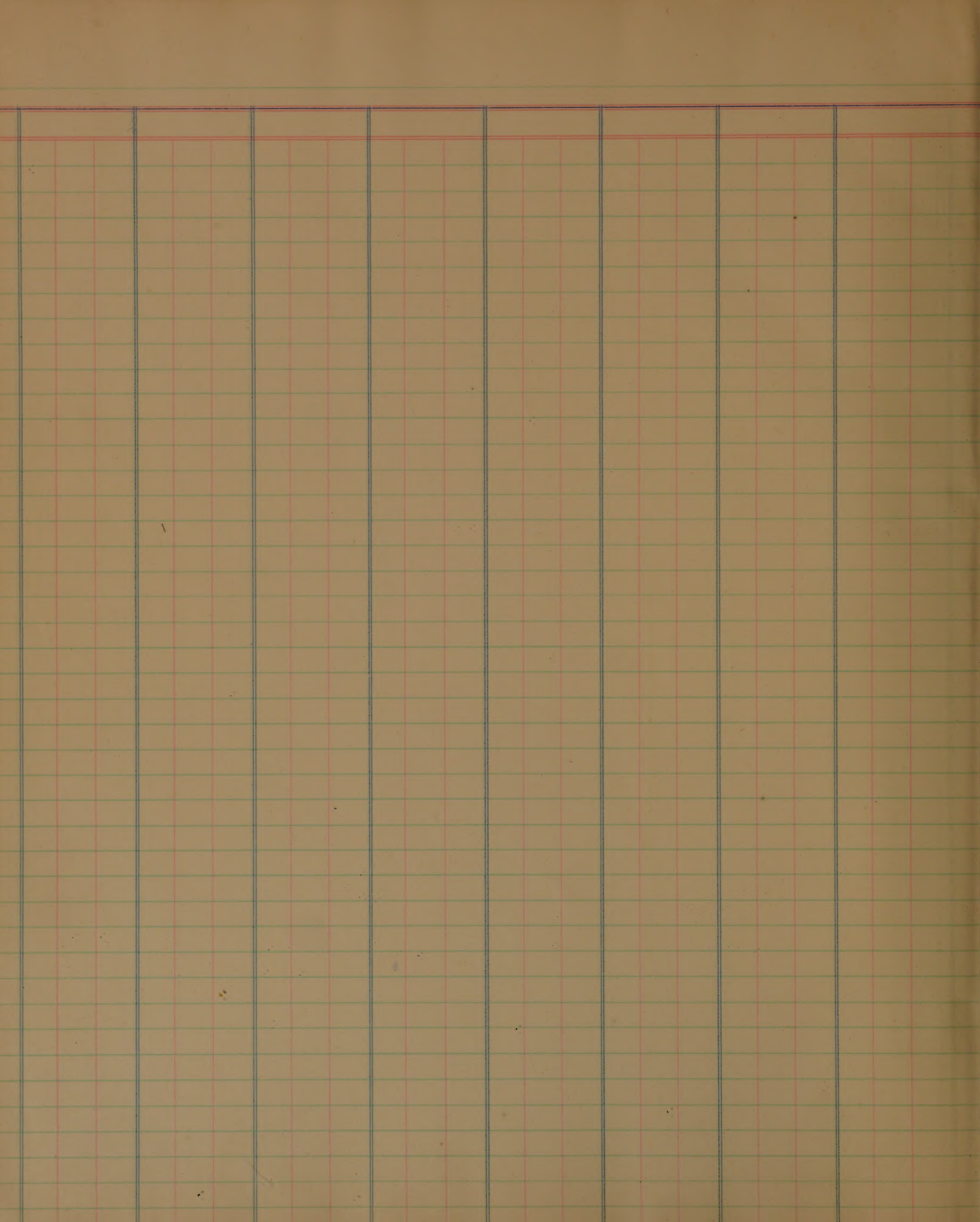
Caloro x Blue Rose
(5 plants)

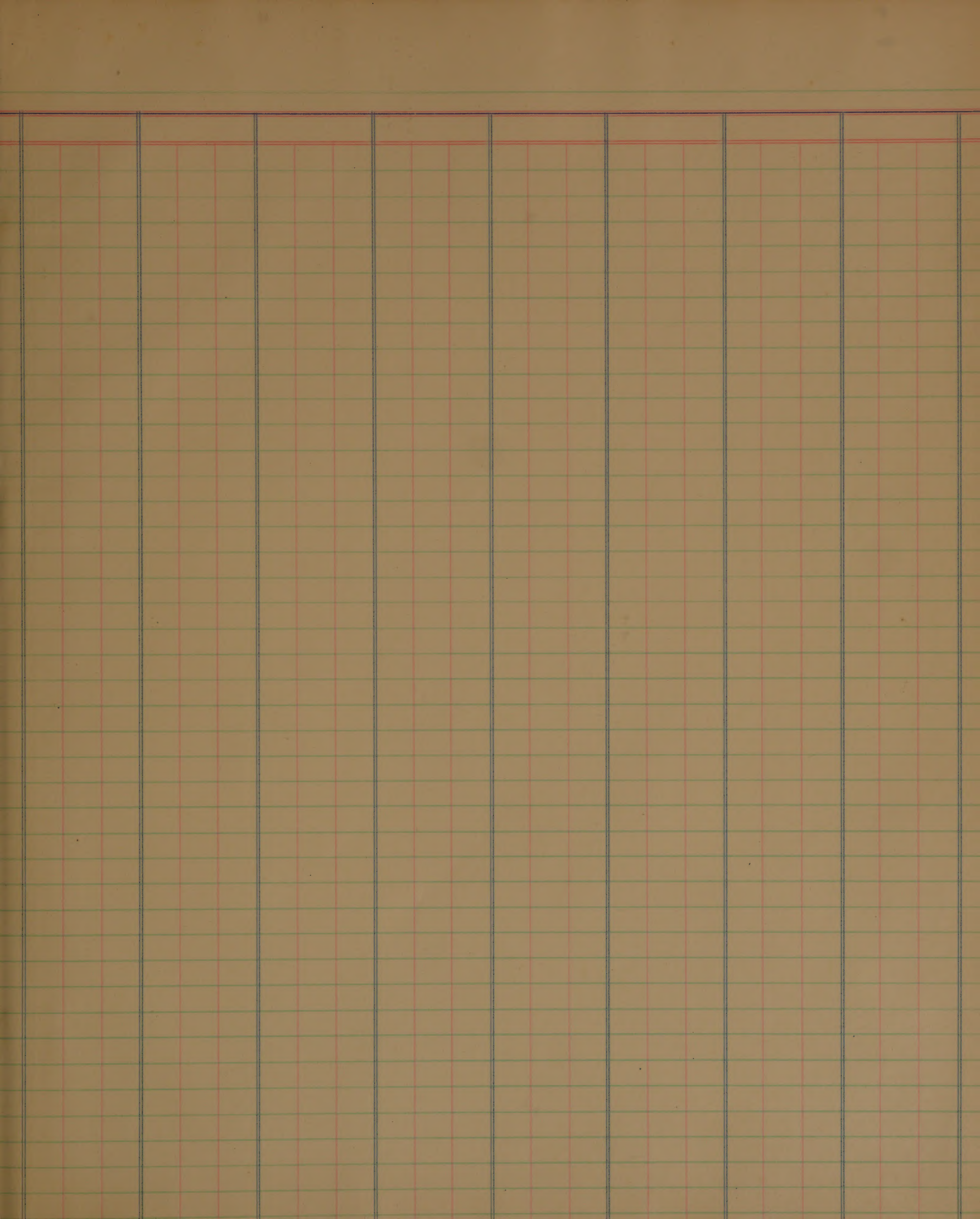


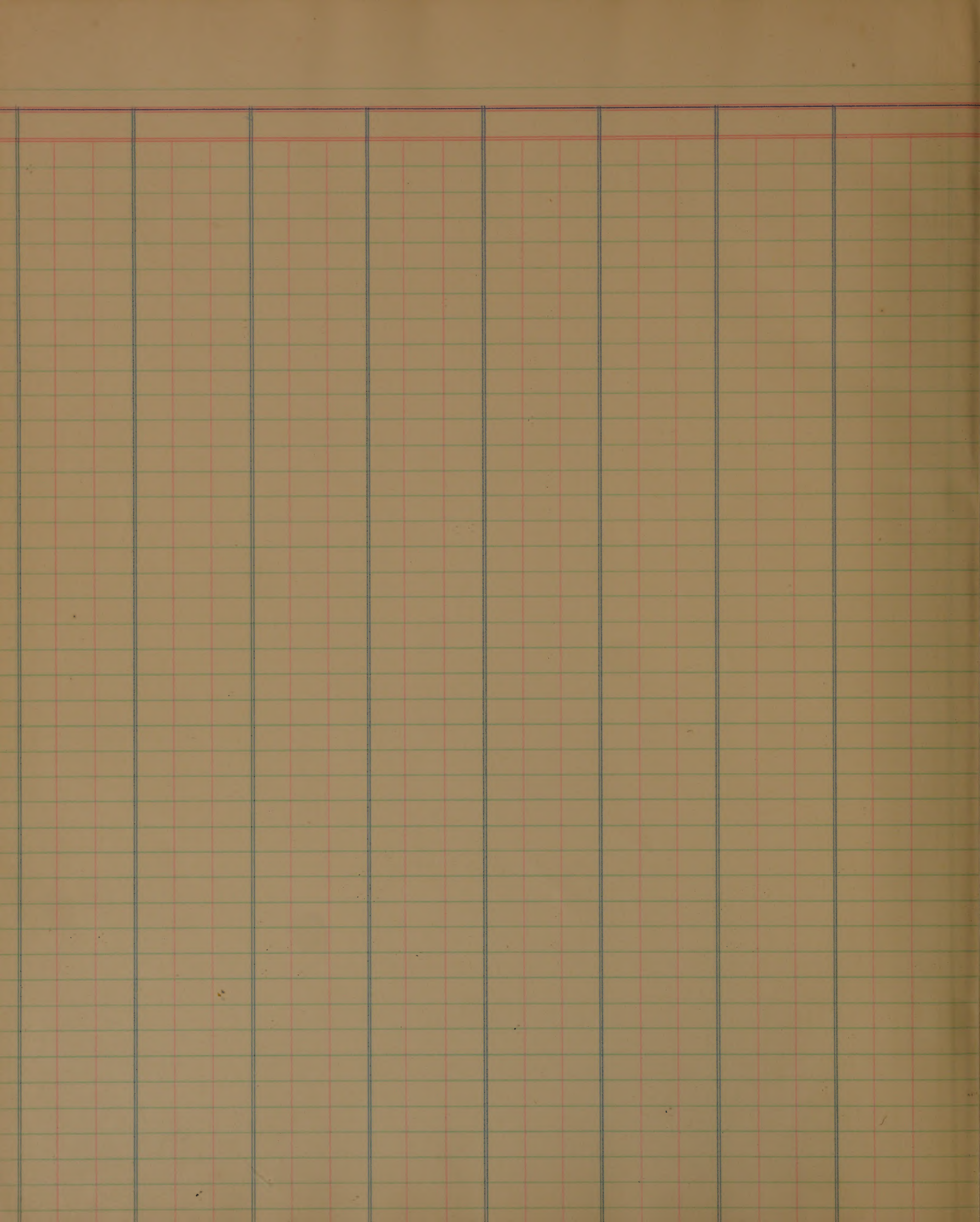


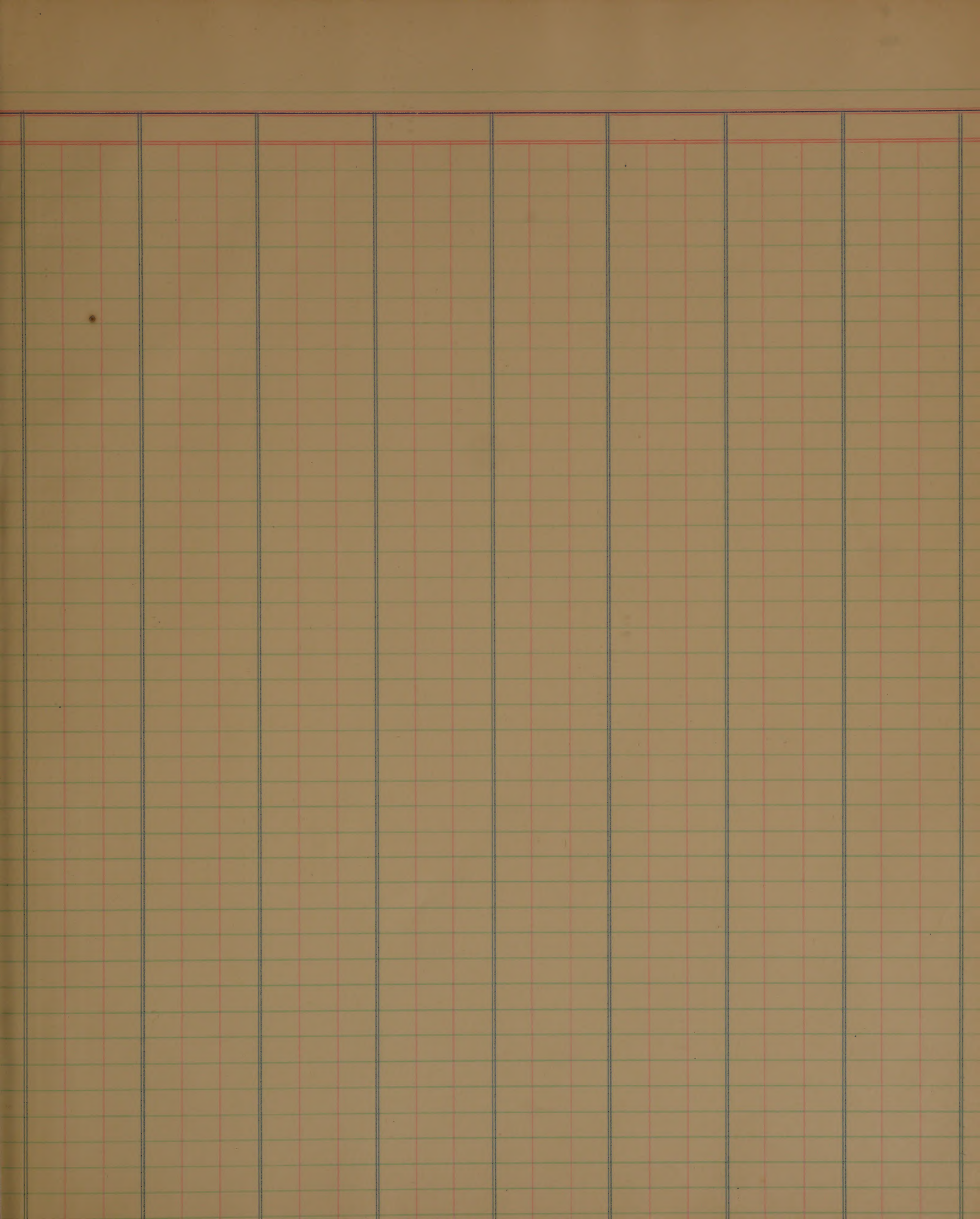


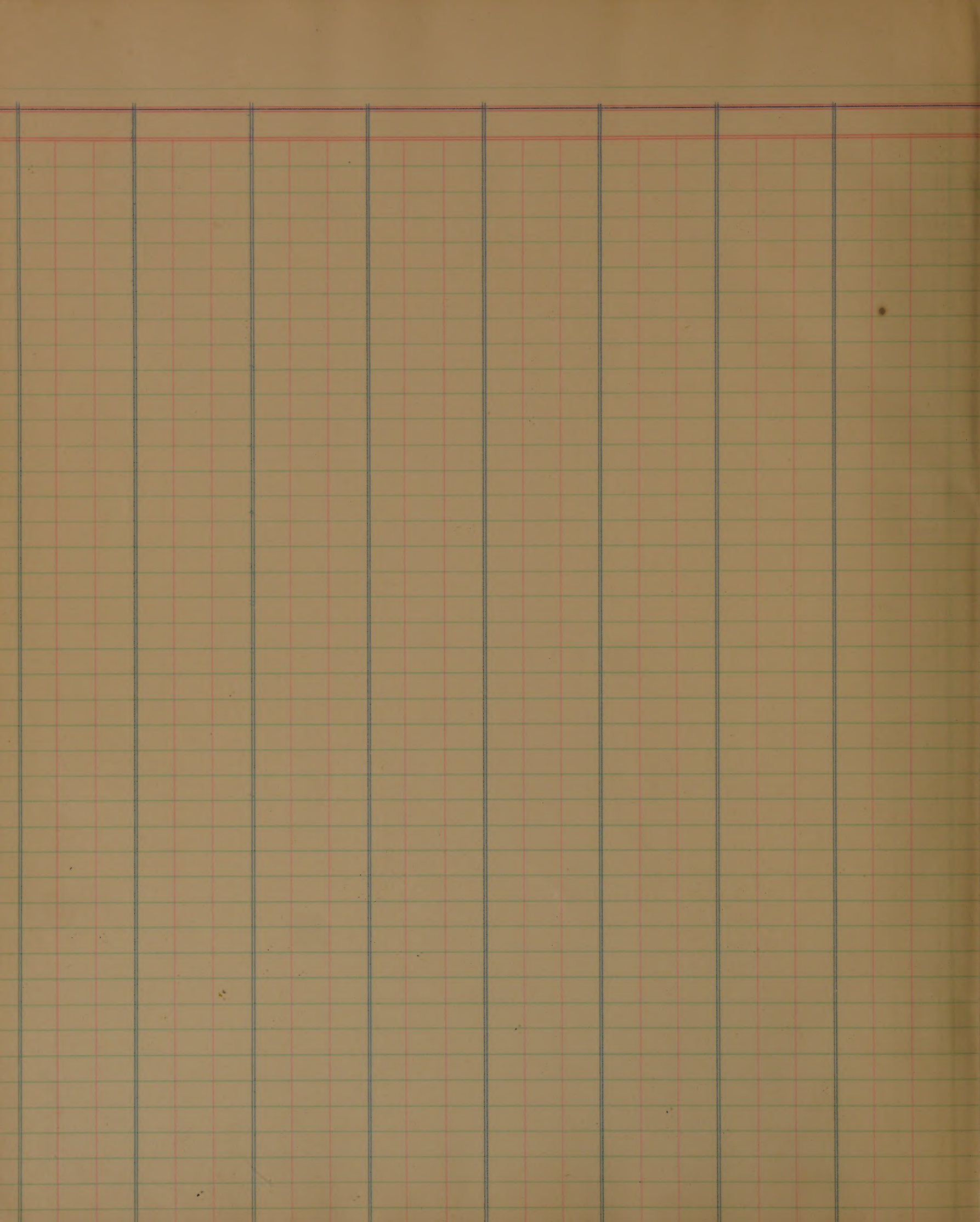


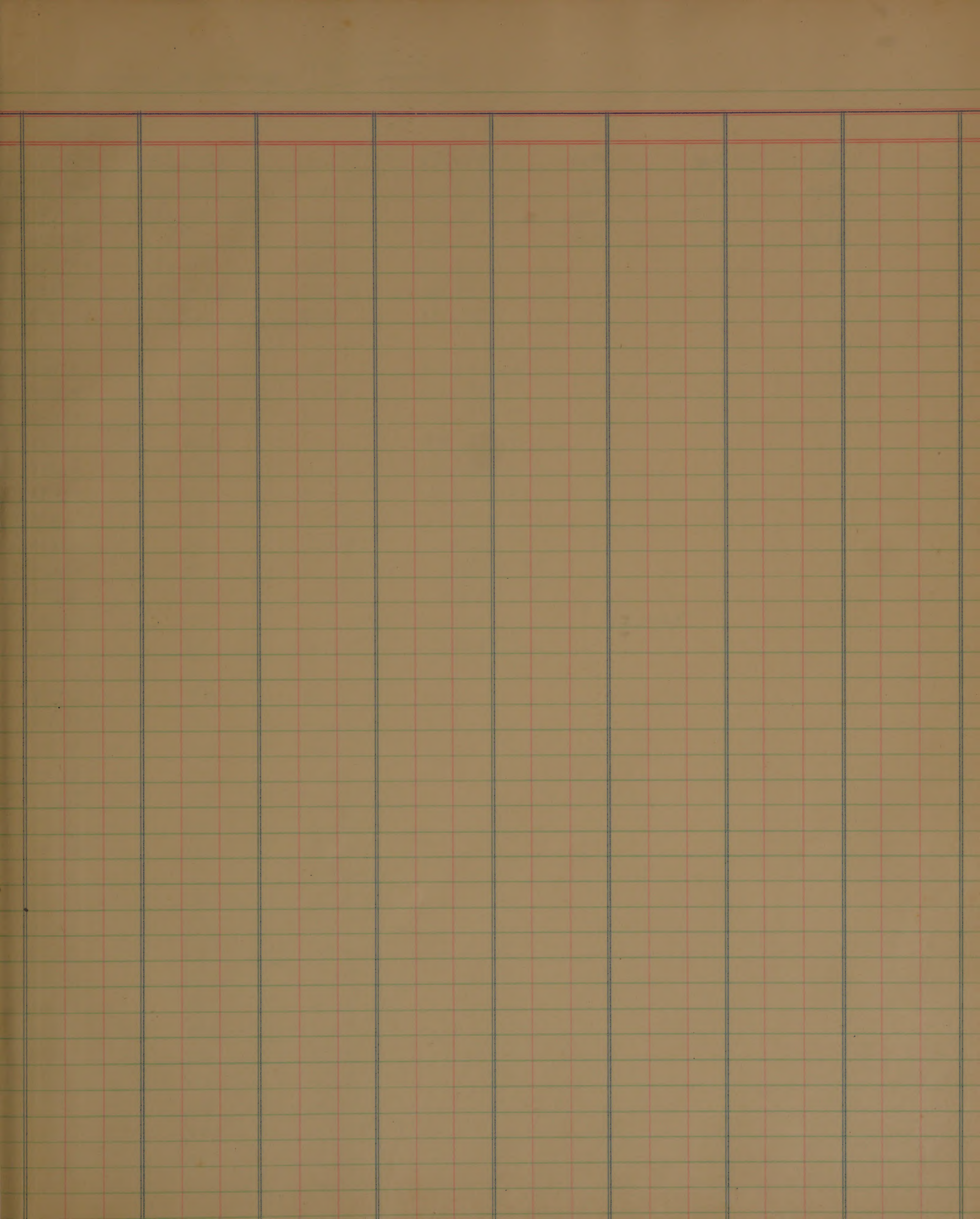


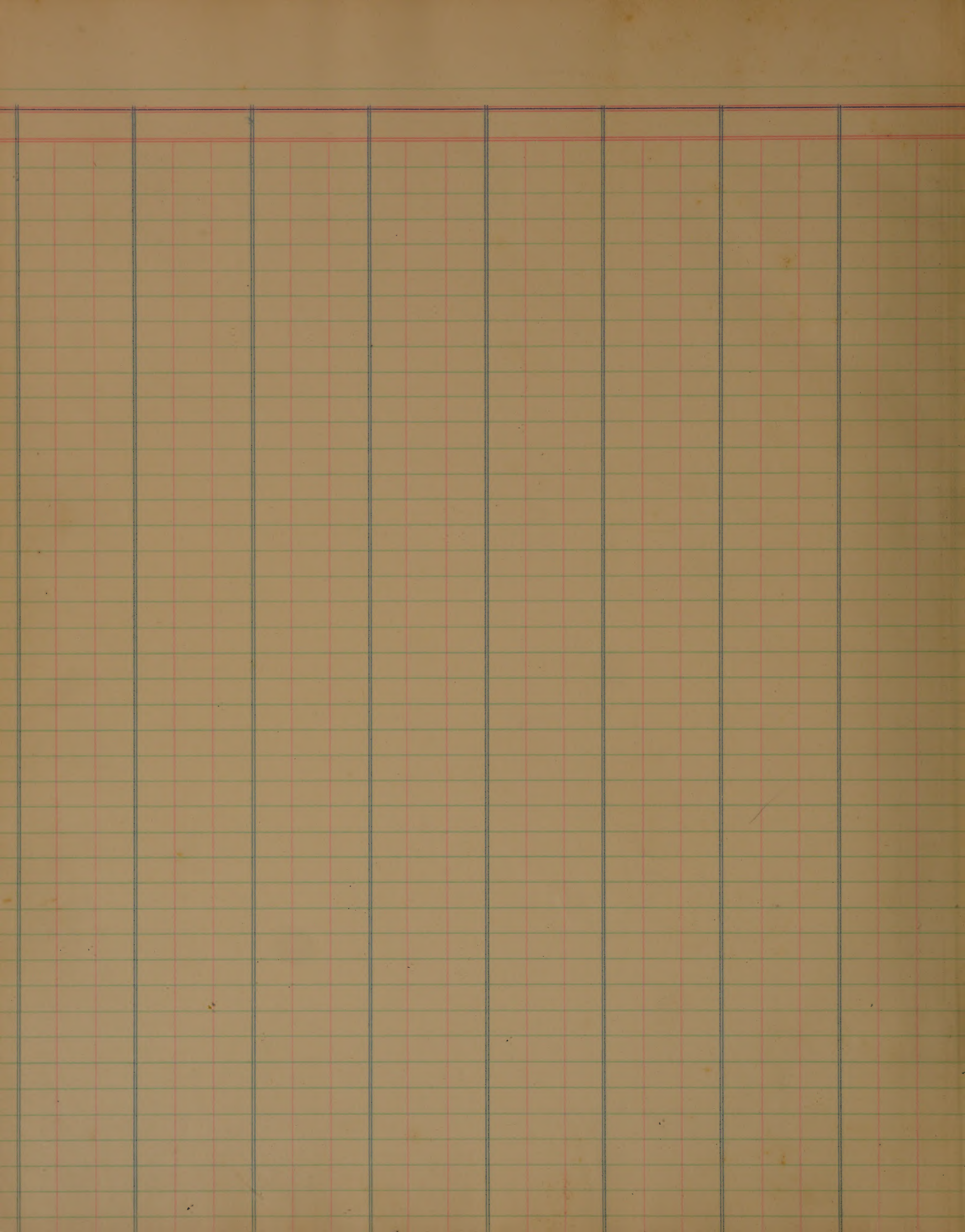












moisture, 1938 season

49.79
138.55
11.2

Dried samples 7 plots	Can No							
49.685 -	Edith 321	10.5	139.10	50.05	- 340	340	14.80	
49.79 -	Early Pacific	11.24	138.55	52.52	- 189		14.97	
49.13 -	Lady Wright	10.08	138.95	51.45	- 338		15.20	
49.725 -	Shennel	10.61	139.11	52.20	- 373		16.35	
49.85 -	Zenith	10.53	139.32					
50.05 -	Edith 322	11.45	138.60					
49.55 -	Latey	13.50	136.05					
51.45 -	242	11.95	139.50 ✓					
48.71 -	250	13.94	134.75 ✓					
50.25 - is 49.07	478	14.00	136.25 ✓					
49.51 -	452	12.76	136.75 ✓					
48.36 -	175	16.76	135.60 ✓					
49.21 -	255	12.56	136.65 ✓					
49.41 -	421	11.64	137.77 ✓					
48.831 -	199	12.97	135.86 ✓					
50.52 -	460	11.50	139.00 ✓					
49.41A -	432	12.81	136.60 ✓					
49.03 - ✓	229		1					
52.20 -	276	11.85	140.45					spilled
49.725 -	413	14.55						
49.21 -	390	12.21						
49.79 -	353	14.00						
49.55 -	347	14.40						
49.685 -	358	16.08						
49.08 -	376	12.83						
49.41A -	427	13.61						
49.41 -	359	13.76						
49.13 -	355	12.35						
49.40 -	425	12.70						
49.07 -	409	12.22						
49.95 -	428	12.53						
49.79 -	301	16.09						
48.71	380	16.01						
48.831	372	15.96						
48.36	336	14.79						
48.75 -	424	14.75						
48.45 -	375	14.35						
50.49 -	339	12.28						
50.25 -	410	12.15						

July 3

1st

plot

1st 2nd

plot

1 30
2 30
3 30
4 25
5 40
6 40
7 40
8 35
9 40
10 40
11 45
12 40
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see to right
Trench

